

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110118\
 Data File : VN052113.D
 Acq On : 1 Nov 2018 19:49
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 11/2/2018 9:21:45 AM

Quant Time: Nov 02 07:42:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N110118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Nov 01 10:27:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	57314	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	340435	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	298462	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	135533	31.86	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	106.20%
60) 4-Bromofluorobenzene	12.40	95	142121	29.77	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.23%
63) Toluene-d8	10.09	98	425342	30.31	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.03%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	73219	19.128	ug/l 98
3) Chloromethane	2.06	50	87014	19.889	ug/l 95
4) Vinyl Chloride	2.19	62	87903	20.482	ug/l 96
5) Bromomethane	2.57	94	57277	19.552	ug/l 85
6) Chloroethane	2.71	64	54073	19.705	ug/l 93
7) Trichlorofluoromethane	3.02	101	113100	19.461	ug/l 96
8) Diethyl Ether	3.42	74	39799	20.282	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	66470	19.569	ug/l # 50
10) 1,1-Dichloroethene	3.74	96	63246	19.954	ug/l 97
11) Methyl Iodide	3.96	142	83096	18.133	ug/l 86
12) Methyl Acetate	4.33	43	60859	22.103	ug/l 95
13) Acrolein	3.61	56	32344	113.019	ug/l 86
14) Acrylonitrile	4.99	53	124162	104.950	ug/l # 76
15) Acetone	3.82	58	28086	100.446	ug/l 81
16) Carbon Disulfide	4.06	76	167798	17.930	ug/l 99
17) Allyl chloride	4.33	41	105637	19.630	ug/l 92
18) Methylene Chloride	4.55	84	74034	18.924	ug/l 92
19) trans-1,2-Dichloroethene	5.05	96	69033	19.879	ug/l 95
20) Diisopropyl ether	5.96	45	235042	20.088	ug/l 88
21) 1,1-Dichloroethane	5.85	63	131814	19.288	ug/l 97
22) cis-1,2-Dichloroethene	6.83	96	82631	20.376	ug/l 92
23) tert-Butyl Alcohol	4.78	59	24456m	131.024	ug/l
24) Methyl tert-Butyl Ether	5.05	73	184865	20.574	ug/l # 56
25) Chloroform	7.37	83	136749	19.928	ug/l 96
26) Cyclohexane	7.66	56	116142	18.958	ug/l # 91
29) 1,1-Dichloropropene	7.80	75	102344	18.935	ug/l 97
30) 2-Butanone	6.84	43	147732	102.637	ug/l # 98
31) 2,2-Dichloropropane	6.83	77	86606	15.547	ug/l # 82
32) 1,1,1-Trichloroethane	7.57	97	117234	19.386	ug/l 98
33) Carbon Tetrachloride	7.78	117	95532	17.763	ug/l 95
34) Benzene	8.04	78	308872	19.517	ug/l # 71
35) Methacrylonitrile	7.18	41	37809	12.519	ug/l 96
36) 1,2-Dichloroethane	8.13	62	102706	19.410	ug/l 100
37) Trichloroethene	8.84	130	73665	18.598	ug/l 95
38) Methylcyclohexane	9.09	83	116242	17.630	ug/l 92
39) 1,2-Dichloropropane	9.12	63	80504	19.110	ug/l 96
40) Dibromomethane	9.21	93	51294	19.754	ug/l 87

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

41) Bromodichloromethane	9.40	83	99104	18.653	ug/l #	93
42) Vinyl Acetate	5.90	43	840479	99.744	ug/l	99
43) Ethyl Acetate	6.84	43	150047m	13.977	ug/l	
44) Isopropyl Acetate	8.17	43	130334	21.762	ug/l	98
45) 1,4-Dioxane	9.21	88	12216	447.123	ug/l	90
46) Methyl methacrylate	9.20	41	61511	20.633	ug/l	94
48) t-1,3-Dichloropropene	10.38	75	98025	18.580	ug/l	94
49) cis-1,3-Dichloropropene	9.84	75	112332	18.448	ug/l	94
50) 1,1,2-Trichloroethane	10.56	97	66161	19.268	ug/l #	89
51) Ethyl methacrylate	10.43	69	87694	19.761	ug/l	93
52) 1,3-Dichloropropane	10.71	76	121023	20.234	ug/l	95
53) Dibromochloromethane	10.90	129	67157	18.116	ug/l	97
54) 1,2-Dibromoethane	11.01	107	68719	19.736	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	253939	104.498	ug/l	99
56) Bromoform	12.13	173	36929	17.248	ug/l #	89
58) 4-Methyl-2-Pentanone	9.99	43	347823	108.757	ug/l	99
59) 2-Hexanone	10.75	43	232971	105.797	ug/l	99
61) Tetrachloroethene	10.63	164	59764	18.412	ug/l #	88
62) Toluene	10.16	91	332051	19.819	ug/l	98
64) Chlorobenzene	11.44	112	205081	19.313	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.51	131	68441	18.937	ug/l	97
66) Ethyl Benzene	11.51	91	344543	19.038	ug/l	98
67) m/p-Xylenes	11.62	106	265329	38.081	ug/l	97
68) o-Xylene	11.95	106	128382	19.326	ug/l	97
69) Styrene	11.97	104	205216	19.171	ug/l	98
70) Isopropylbenzene	12.25	105	338318	18.972	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	84333	21.500	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	77983m	24.202	ug/l	
73) Bromobenzene	12.53	156	76242	19.295	ug/l	88
74) n-propylbenzene	12.59	91	386812	18.627	ug/l	99
75) 2-Chlorotoluene	12.68	91	229366	19.158	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	267667	18.719	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	18101	16.774	ug/l	88
78) 4-Chlorotoluene	12.77	91	228409	18.945	ug/l	98
79) tert-butylbenzene	12.99	119	236110	18.955	ug/l	96
80) 1,2,4-Trimethylbenzene	13.04	105	275390	19.332	ug/l	100
81) sec-Butylbenzene	13.17	105	314534	18.349	ug/l	99
82) p-Isopropyltoluene	13.29	119	262207	18.100	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	130780	18.711	ug/l	94
84) 1,4-Dichlorobenzene	13.36	146	126357	18.262	ug/l	94
85) n-Butylbenzene	13.62	91	214984	17.146	ug/l	97
86) Hexachloroethane	13.88	117	42443	17.361	ug/l	72
87) 1,2-Dichlorobenzene	13.65	146	123416	18.585	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	11880	22.150	ug/l	88
89) 1,2,4-Trichlorobenzene	14.91	180	47914	19.191	ug/l	96
90) Hexachlorobutadiene	15.01	225	24737	16.773	ug/l	96
91) Naphthalene	15.13	128	122837	20.884	ug/l	97
92) 1,2,3-Trichlorobenzene	15.31	180	41910	17.839	ug/l	93

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ClientSampleId :
VSTDCCC020EC

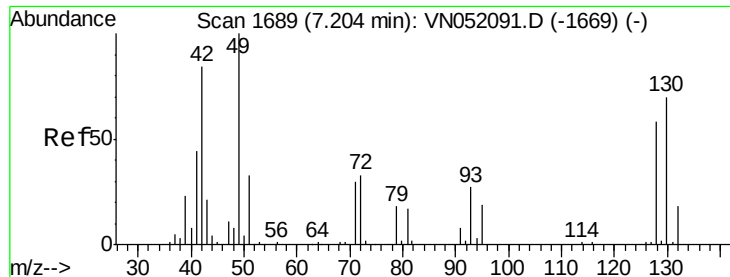
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



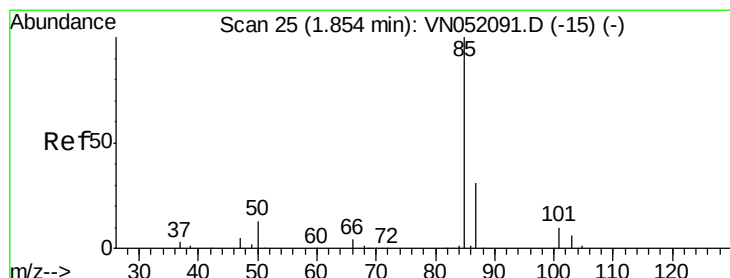
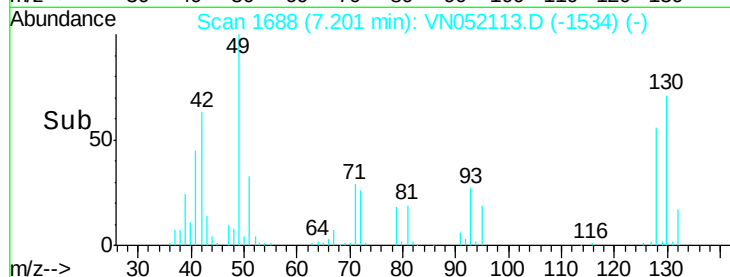
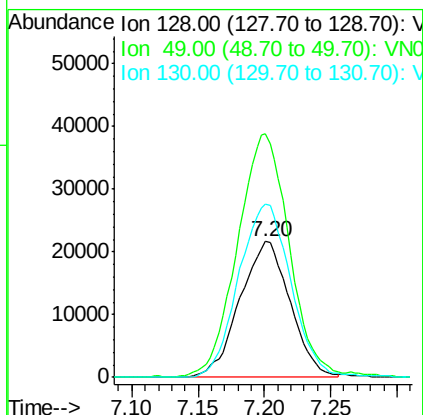
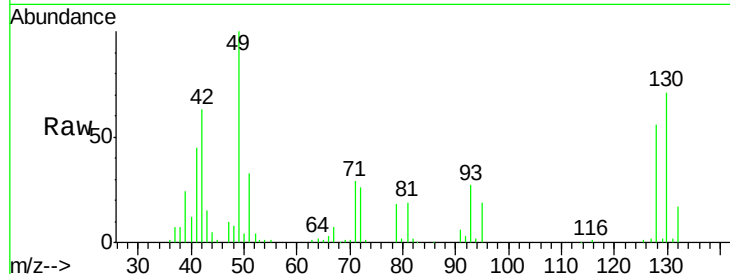
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.20 min Scan# 1688
 Delta R.T. -0.00 min
 Lab File: VN052113.D
 Acq: 1 Nov 2018 19:49

Instrument :
 MSVOA_N
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 VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
128	100		
49	183.5	0.0	403.3
130	132.7	0.0	326.0

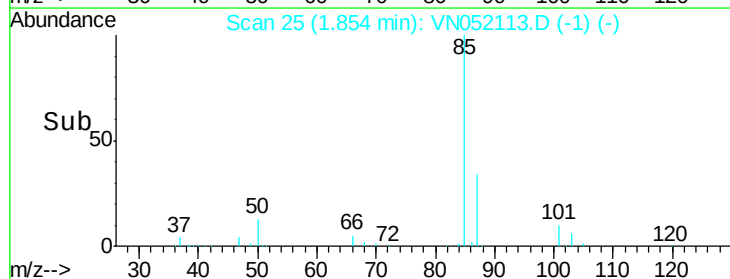
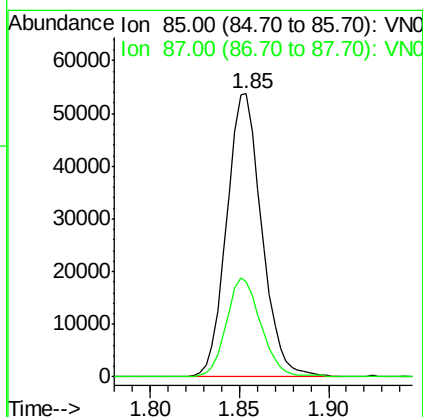
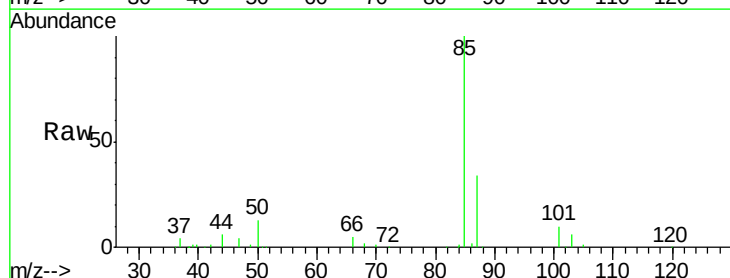
Manual Integrations
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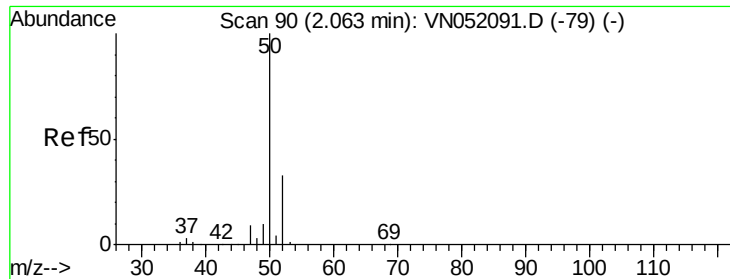
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#2
 Dichlorodifluoromethane
 Concen: 19.128 ug/l
 RT: 1.85 min Scan# 25
 Delta R.T. -0.00 min
 Lab File: VN052113.D
 Acq: 1 Nov 2018 19:49

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.7	16.3	48.8





#3

Chloromethane

Concen: 19.889 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN052113.D

Acq: 1 Nov 2018 19:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 50 Resp: 87014

Ion Ratio Lower Upper

50 100

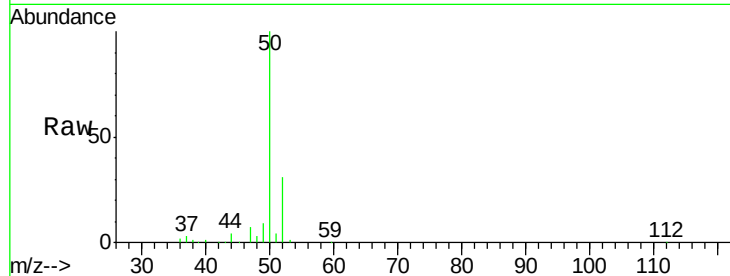
52 30.9 27.2 40.8

Manual Integrations

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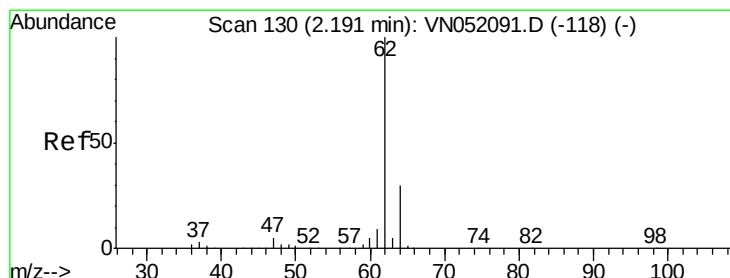
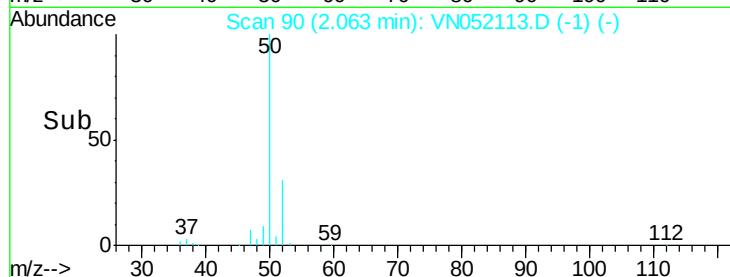
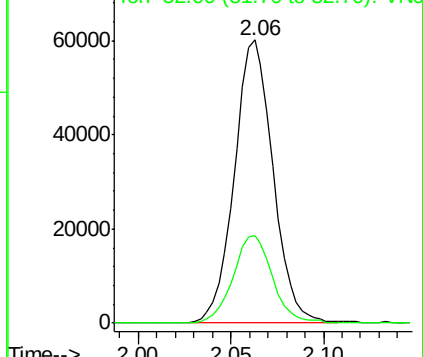
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 20.482 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052113.D

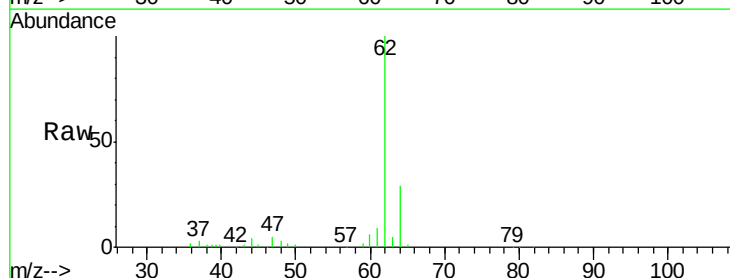
Acq: 1 Nov 2018 19:49

Tgt Ion: 62 Resp: 87903

Ion Ratio Lower Upper

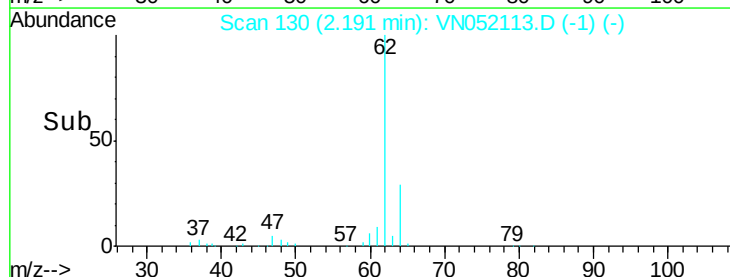
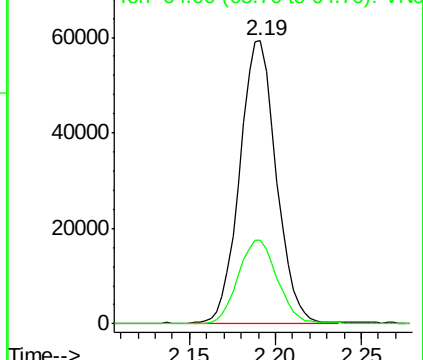
62 100

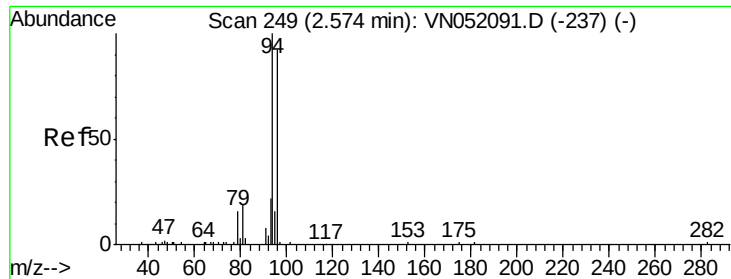
64 29.4 25.4 38.2



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 19.552 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN052113.D

Acq: 1 Nov 2018 19:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 94 Resp: 57277

Ion Ratio Lower Upper

94 100

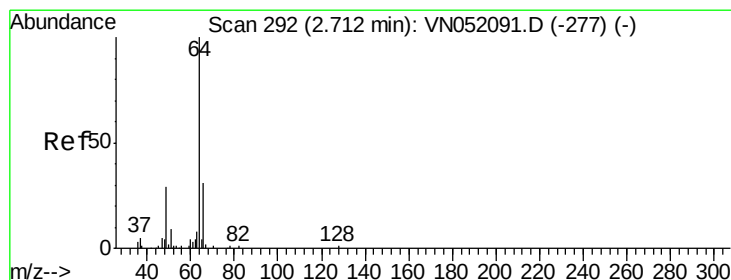
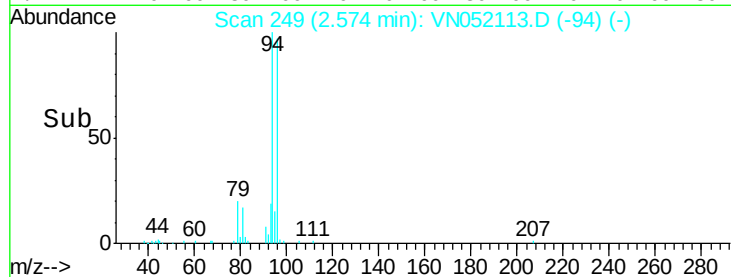
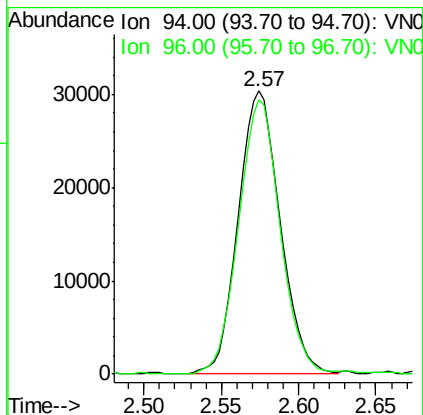
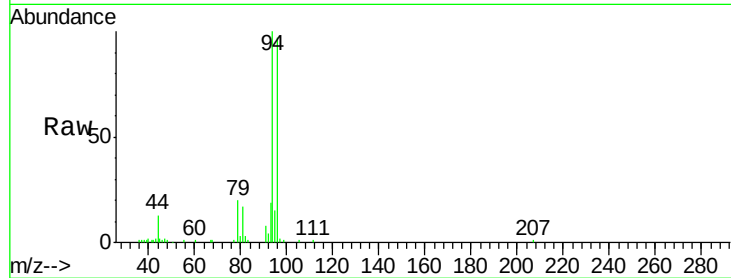
96 96.8 66.4 99.6

Manual Integrations

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#6

Chloroethane

Concen: 19.705 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052113.D

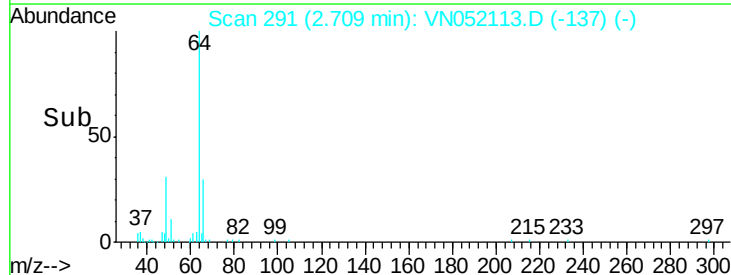
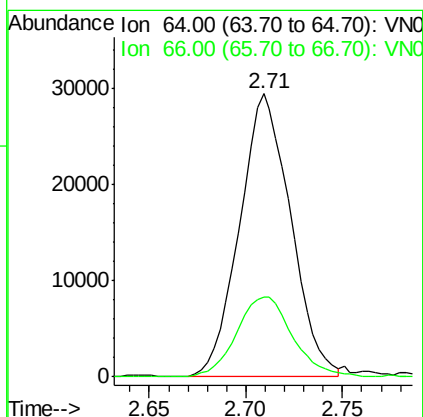
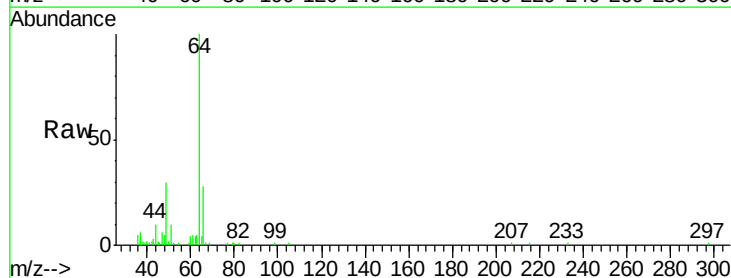
Acq: 1 Nov 2018 19:49

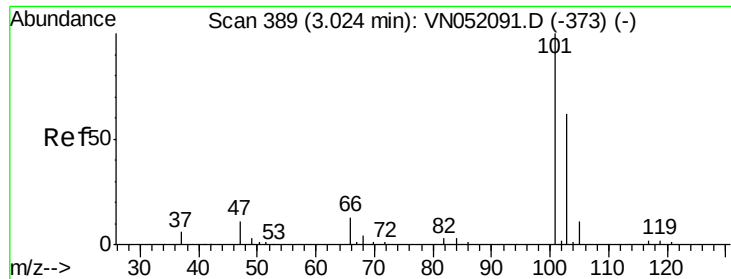
Tgt Ion: 64 Resp: 54073

Ion Ratio Lower Upper

64 100

66 28.3 25.8 38.6





#7

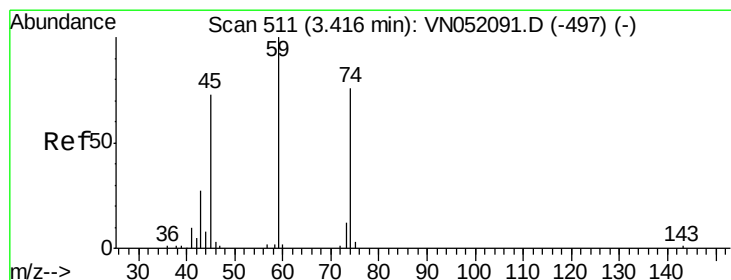
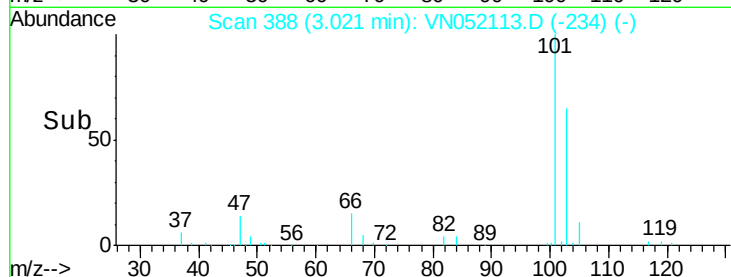
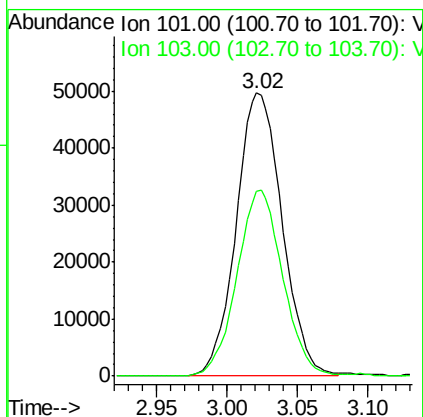
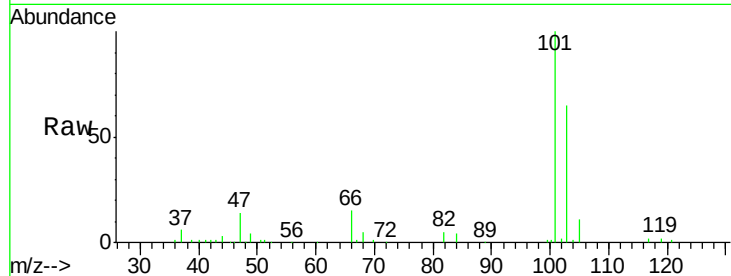
Trichlorofluoromethane
 Concen: 19.461 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN052113.D
 Acq: 1 Nov 2018 19:49

Instrument :
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 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.1	54.8	82.2

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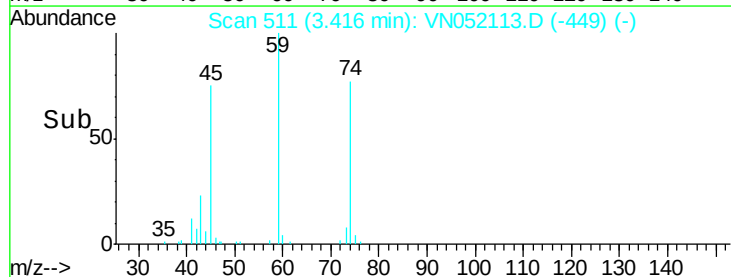
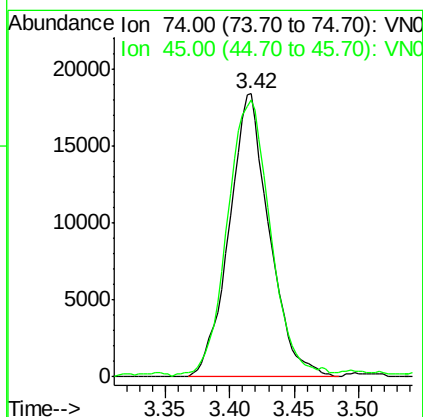
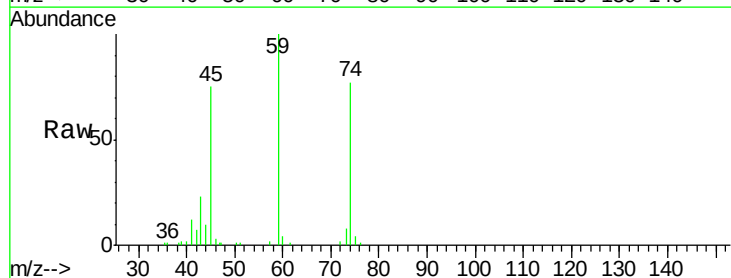
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 11/2/2018 9:21:45 AM

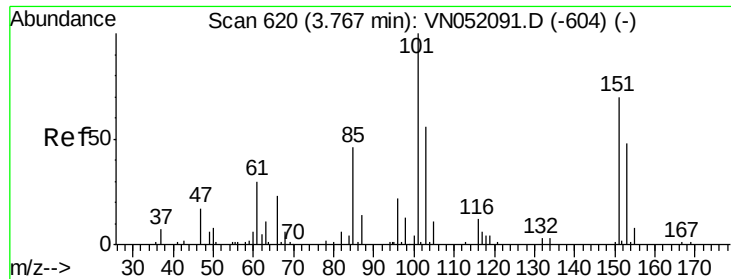


#8

Diethyl Ether
 Concen: 20.282 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. -0.00 min
 Lab File: VN052113.D
 Acq: 1 Nov 2018 19:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.5	20.7	186.5





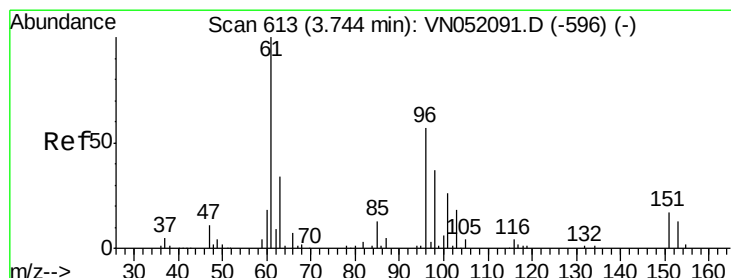
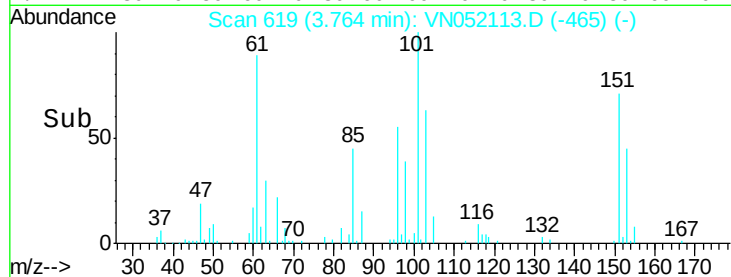
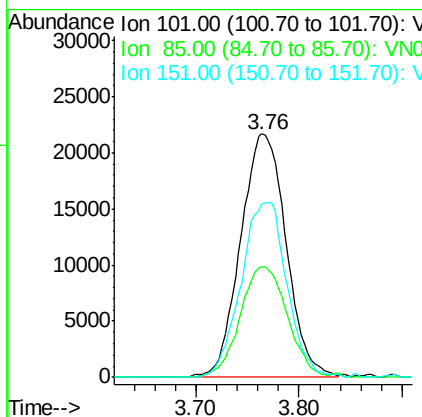
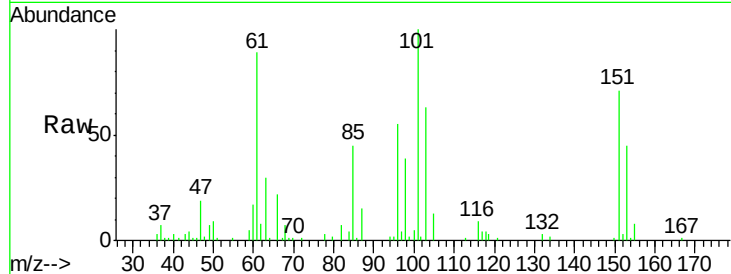
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 1,1,2-Trichlorotrifluoroethane
 Concen: 19.569 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. -0.00 min
 Lab File: VN052113.D
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Tgt Ion	Ratio	Resp Lower	Resp Upper
101	100		
85	47.0	0.0	46.0#
151	72.1	0.0	82.2

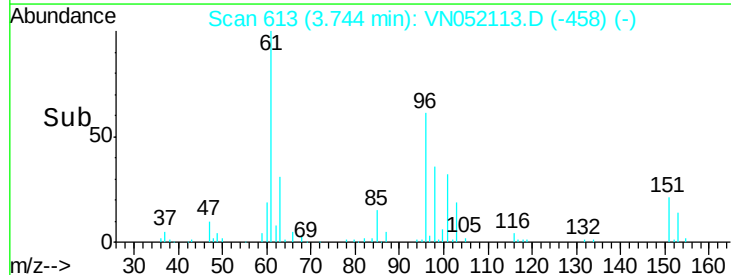
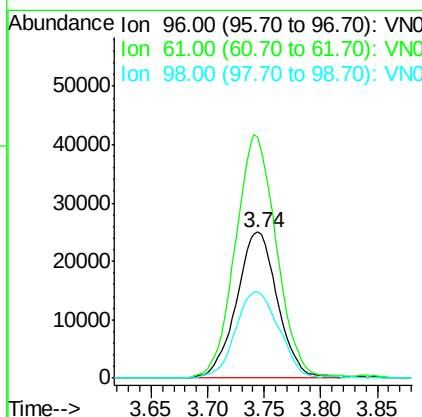
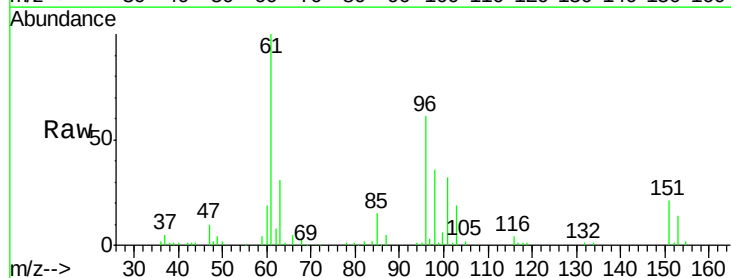
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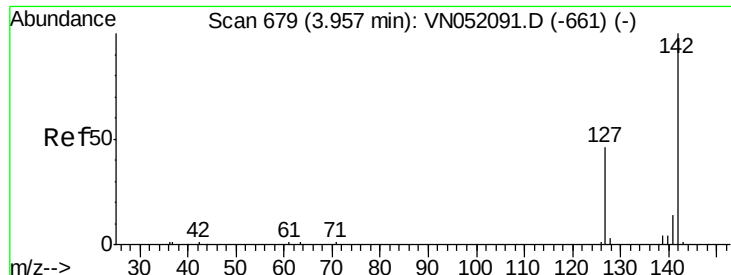
MMDadoda
 11/2/2018 9:21:45 AM



#10
 1,1-Dichloroethene
 Concen: 19.954 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN052113.D
 Acq: 1 Nov 2018 19:49

Tgt Ion	Ratio	Resp Lower	Resp Upper
96	100		
61	164.6	133.0	199.6
98	59.4	52.6	78.8





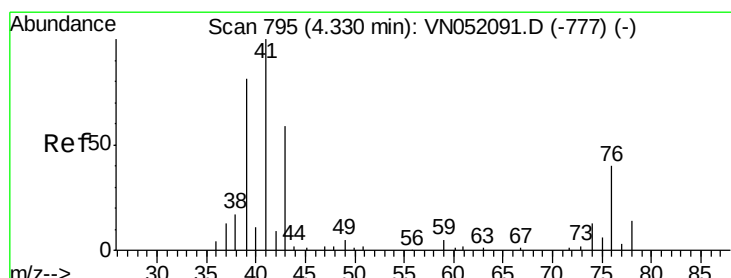
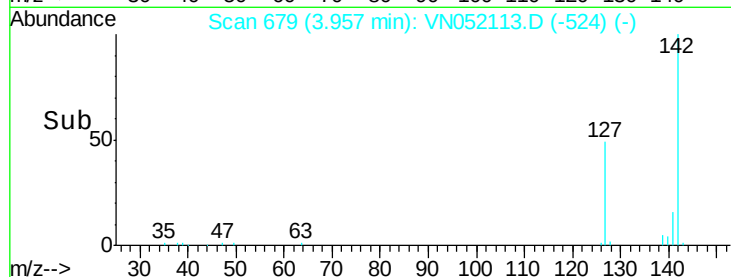
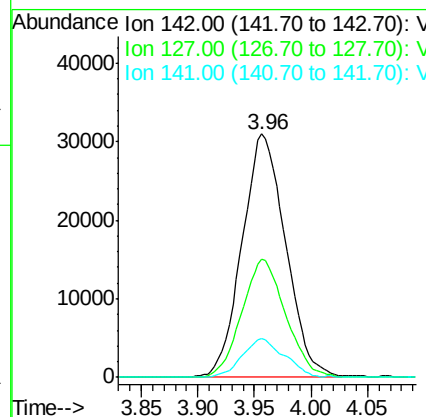
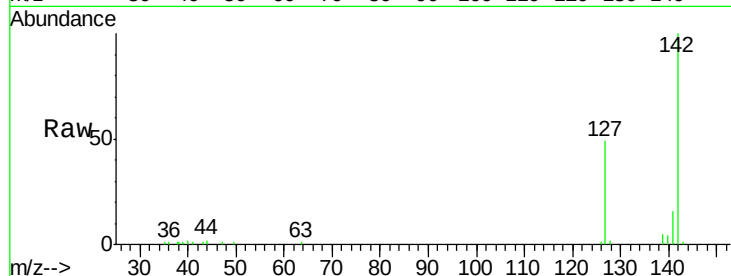
#11
Methyl Iodide
Concen: 18.133 ug/l
RT: 3.96 min Scan# 679
Delta R.T. -0.00 min
Lab File: VN052113.D
Acq: 1 Nov 2018 19:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
142	100		
127	48.8	19.7	59.0
141	15.8	6.3	18.9

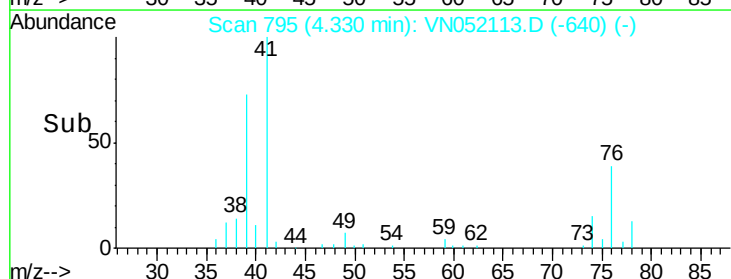
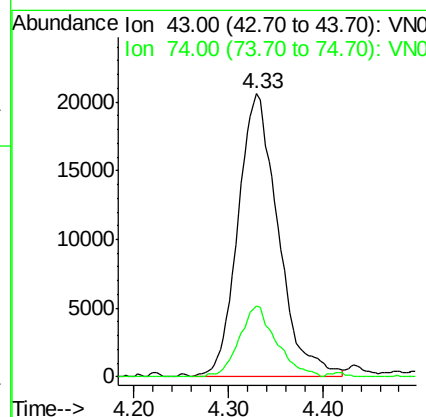
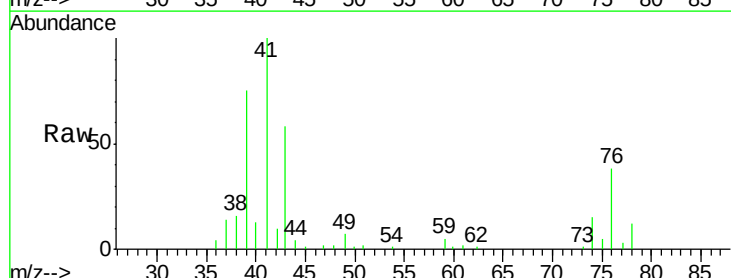
Manual Integrations
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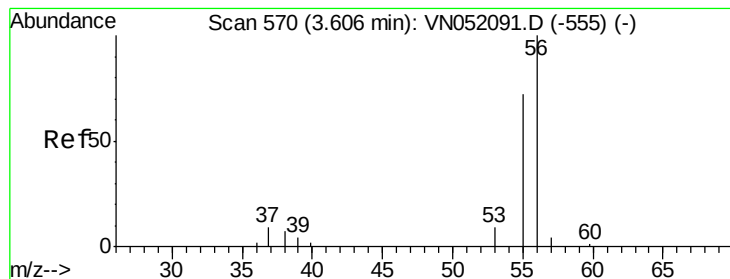
MMDadoda
11/2/2018 9:21:45 AM



#12
Methyl Acetate
Concen: 22.103 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN052113.D
Acq: 1 Nov 2018 19:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	21.8	32.6





#13

Acrolein

Concen: 113.019 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052113.D

Acq: 1 Nov 2018 19:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 56 Resp: 32344

Ion Ratio Lower Upper

56 100

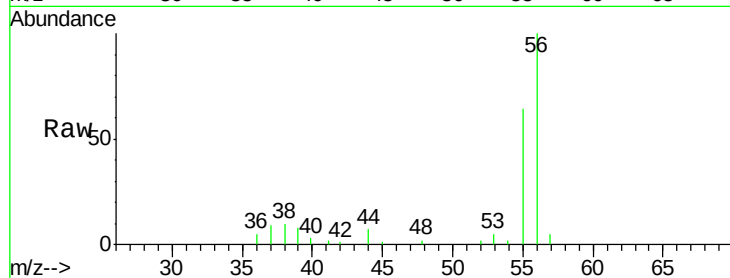
55 67.6 64.0 96.0

Manual Integrations

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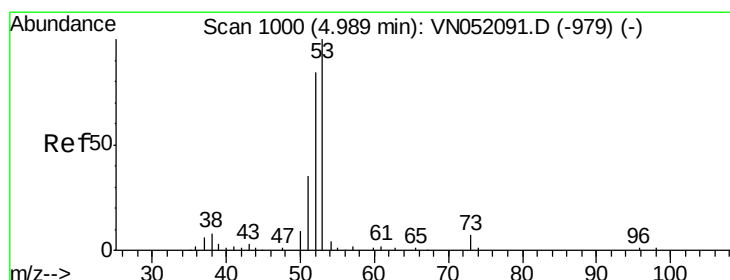
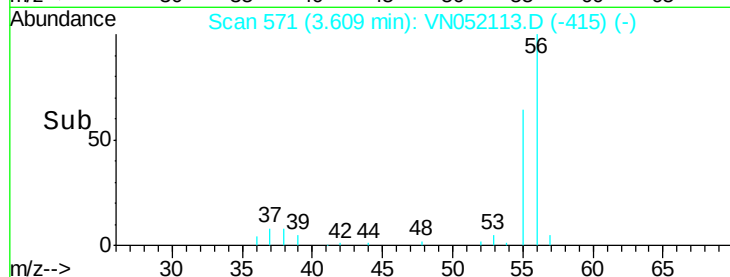
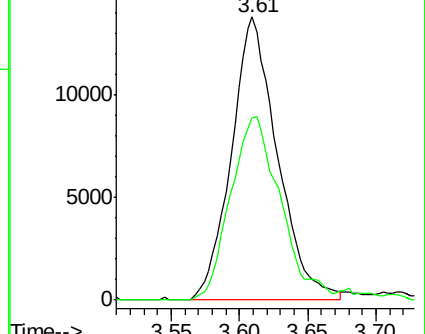
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 104.950 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN052113.D

Acq: 1 Nov 2018 19:49

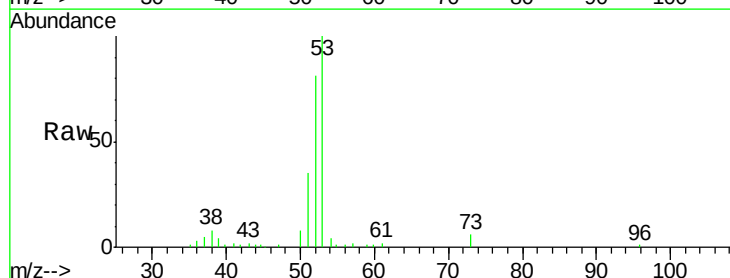
Tgt Ion: 53 Resp: 124162

Ion Ratio Lower Upper

53 100

52 42.9 18.3 54.8

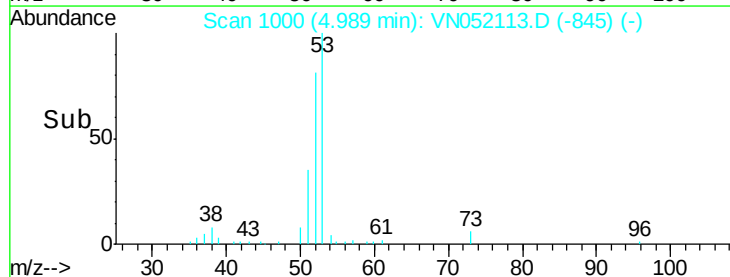
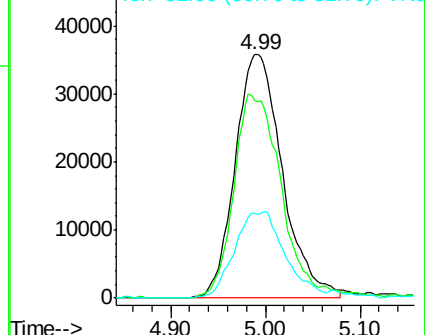
51 17.6 19.7 59.1#

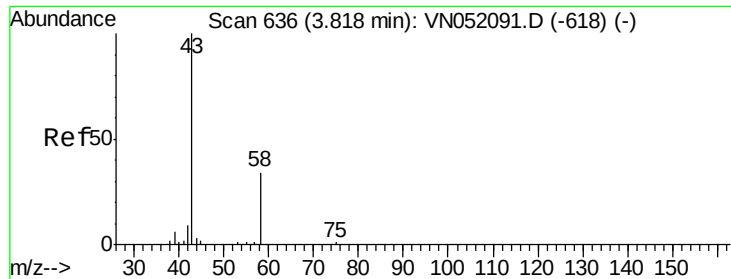


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 100.446 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN052113.D

Acq: 1 Nov 2018 19:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 58 Resp: 28086

Ion Ratio Lower Upper

58 100

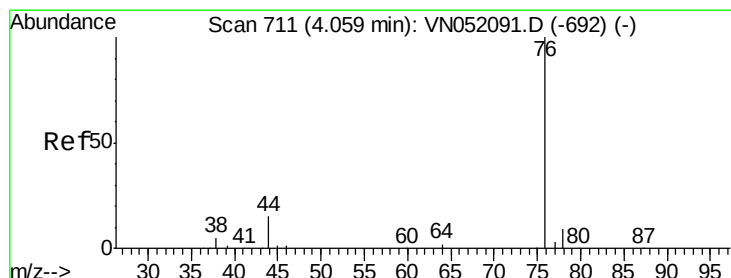
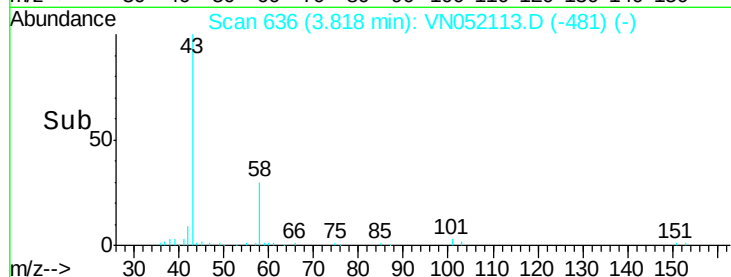
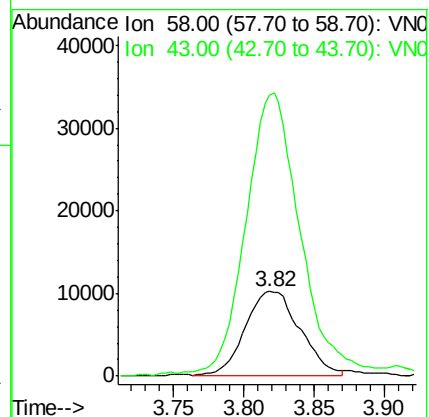
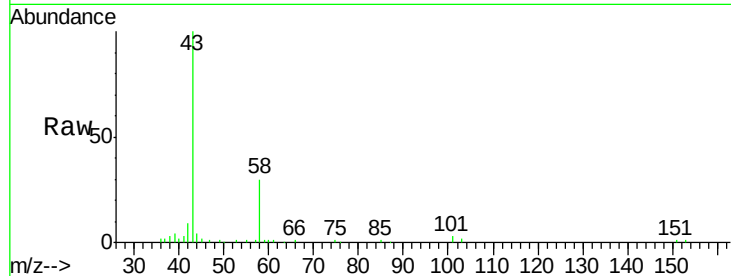
43 326.6 232.2 348.2

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#16

Carbon Disulfide

Concen: 17.930 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052113.D

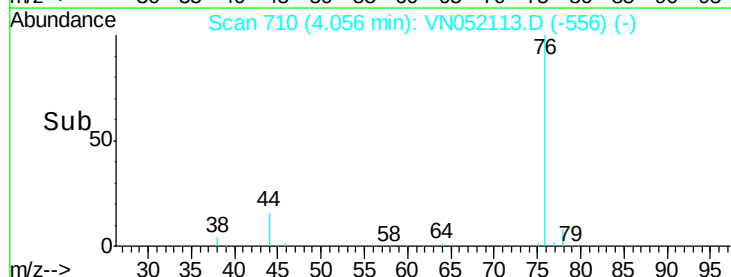
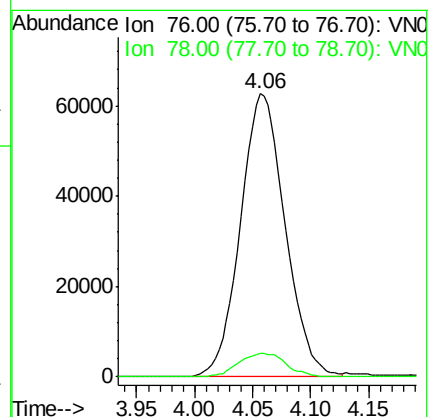
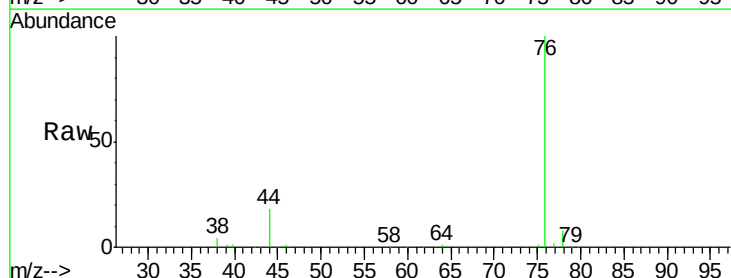
Acq: 1 Nov 2018 19:49

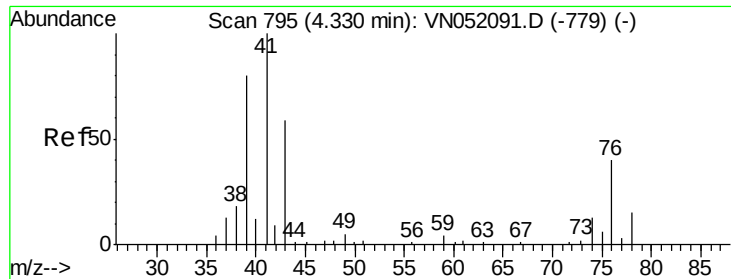
Tgt Ion: 76 Resp: 167798

Ion Ratio Lower Upper

76 100

78 8.2 6.7 10.1





#17

Allyl chloride

Concen: 19.630 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN052113.D

Acq: 1 Nov 2018 19:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 41 Resp: 105637
Ion Ratio Lower Upper

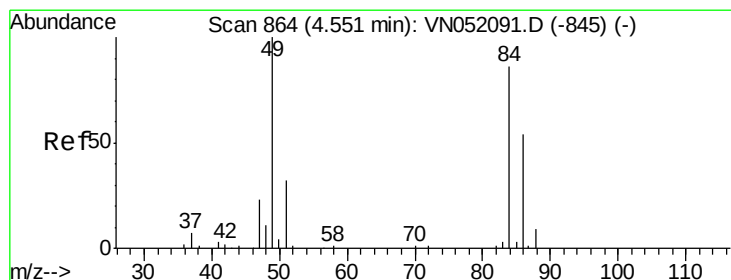
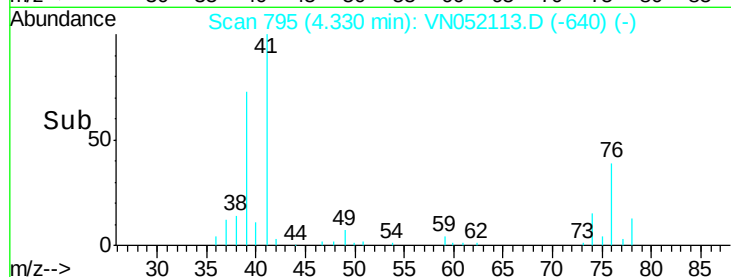
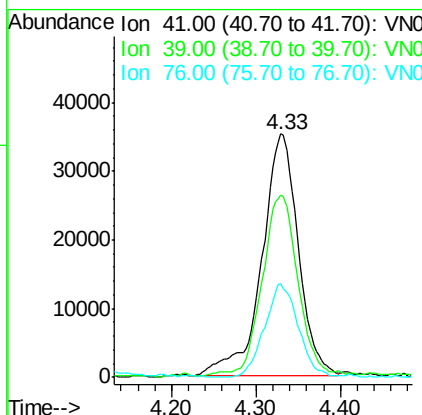
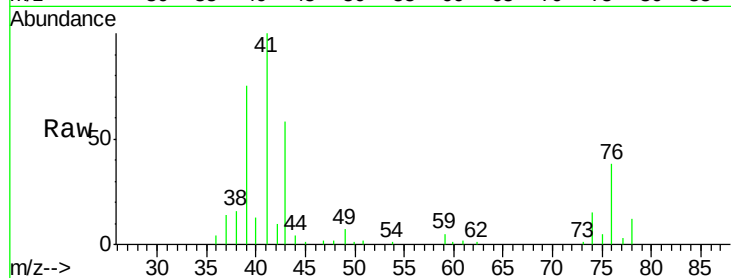
41 100

39 74.3 32.6 97.8

76 38.2 20.2 60.5

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#18

Methylene Chloride

Concen: 18.924 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN052113.D

Acq: 1 Nov 2018 19:49

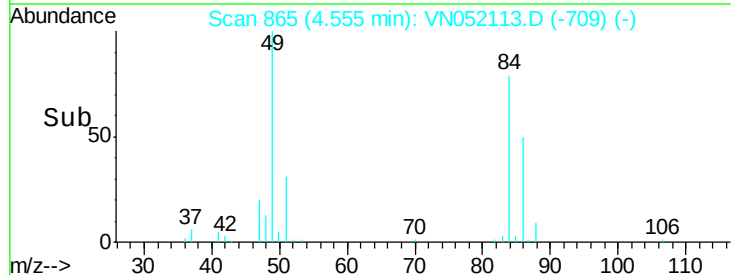
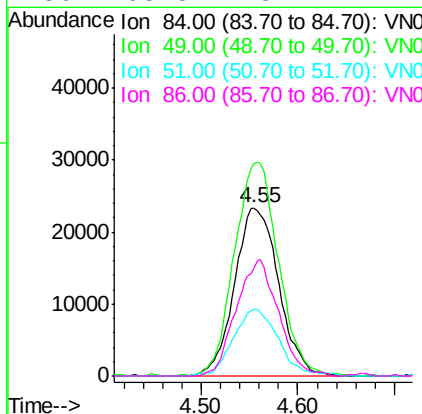
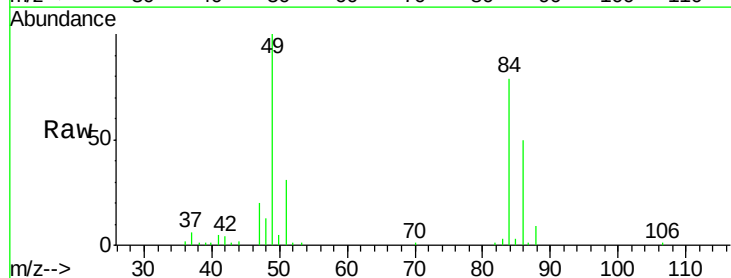
Tgt Ion: 84 Resp: 74034
Ion Ratio Lower Upper

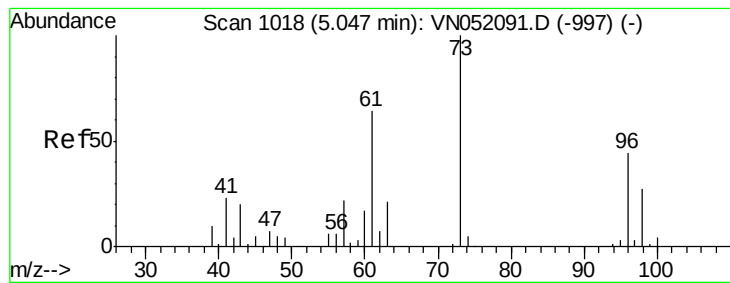
84 100

49 126.7 91.6 137.4

51 39.7 29.8 44.6

86 63.8 48.2 72.4





#19

trans-1,2-Dichloroethene

Concen: 19.879 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN052113.D

Acq: 1 Nov 2018 19:49

Instrument :

MSVOA_N

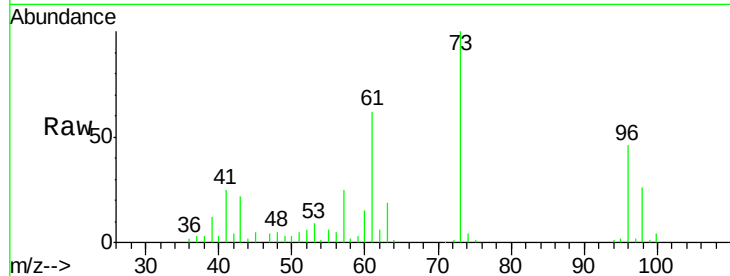
ClientSampleId :

VSTDCCC020EC

Tgt Ion:	96	Resp:	69033
Ion	Ratio	Lower	Upper
96	100		
61	133.4	112.3	168.5
98	57.1	47.1	70.7

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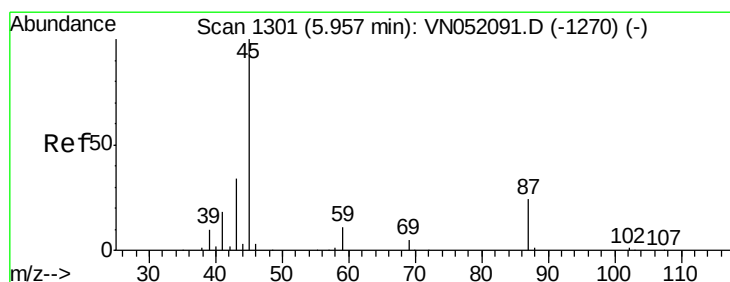
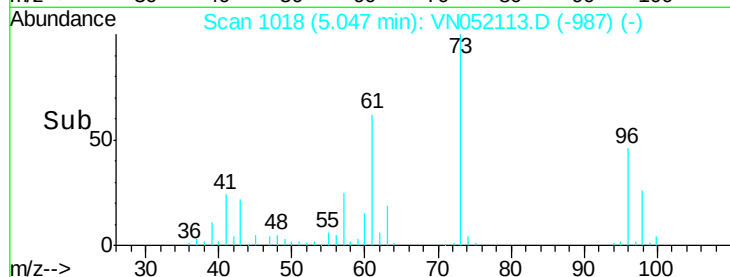
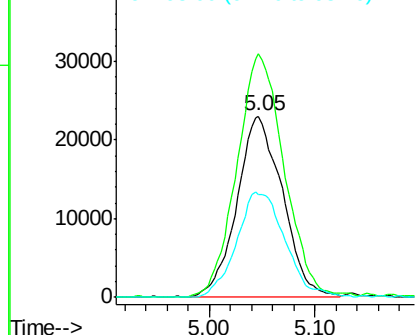


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20

Diisopropyl ether

Concen: 20.088 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VN052113.D

Acq: 1 Nov 2018 19:49

Tgt Ion:	45	Resp:	235042
Ion	Ratio	Lower	Upper
45	100		
43	64.3	62.1	93.1
87	26.7	19.9	29.9
59	10.7	9.8	14.6

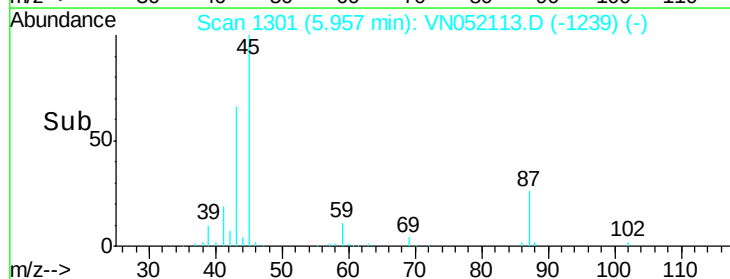
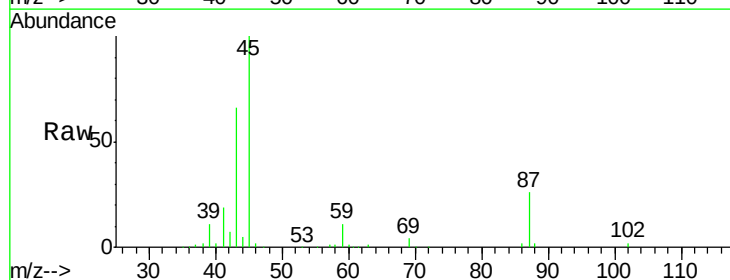
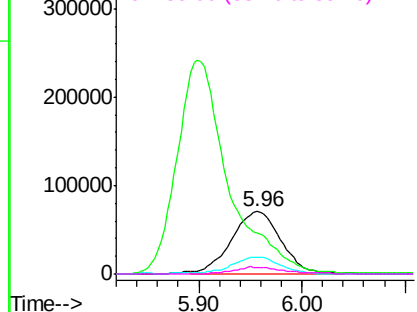
Abundance

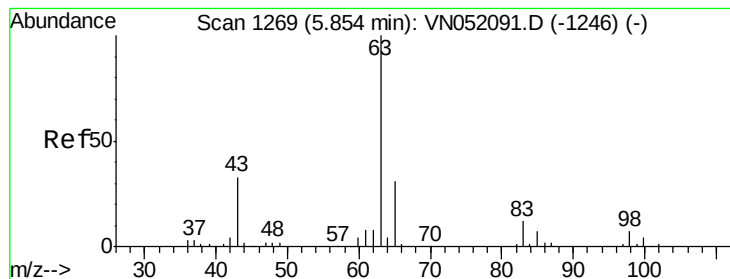
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 19.288 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN052113.D

Acq: 1 Nov 2018 19:49

Instrument :

MSVOA_N

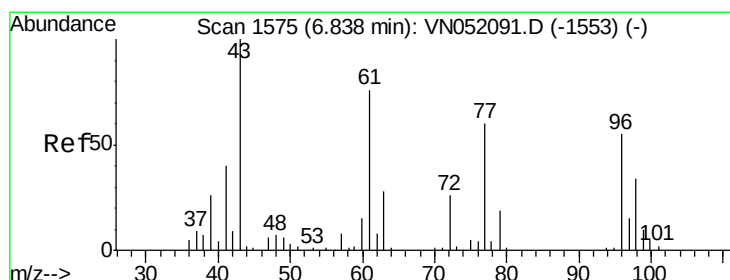
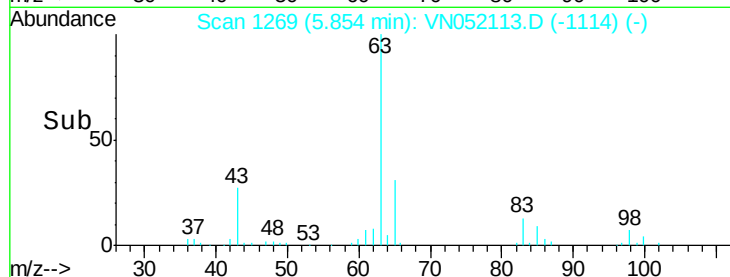
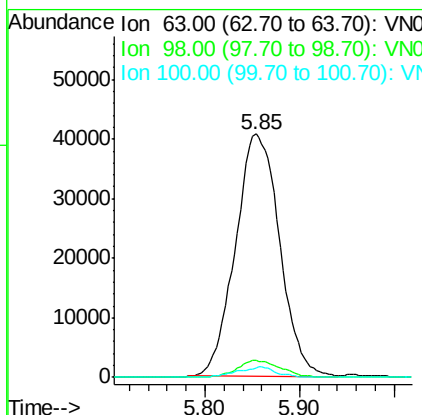
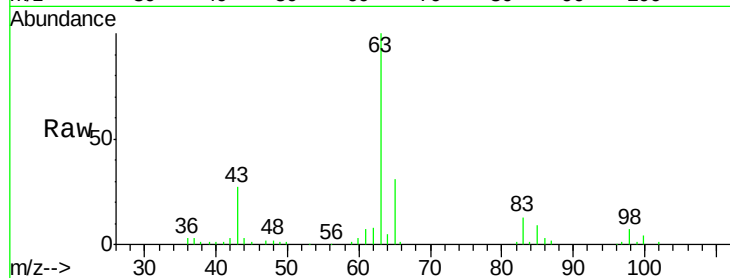
ClientSampleID :

VSTDCCC020EC

Tgt Ion:	63	Resp:	131814
Ion	Ratio	Lower	Upper
63	100		
98	6.8	4.1	12.3
100	3.8	1.6	4.7

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#22

cis-1,2-Dichloroethene

Concen: 20.376 ug/l

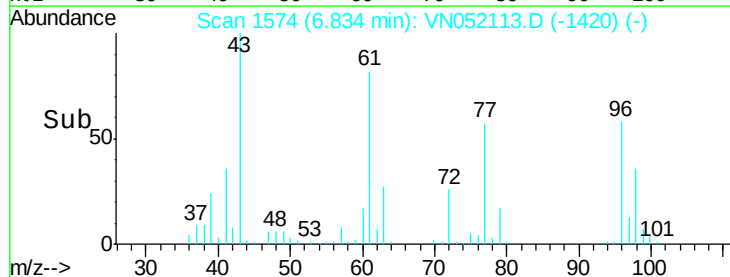
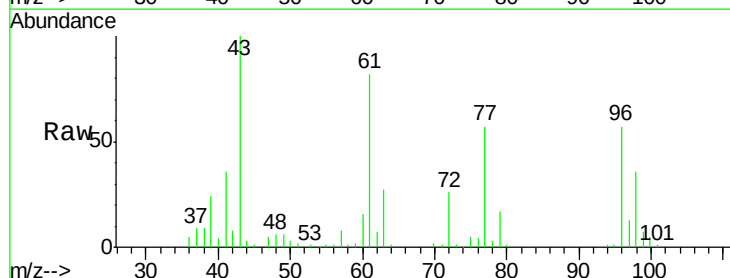
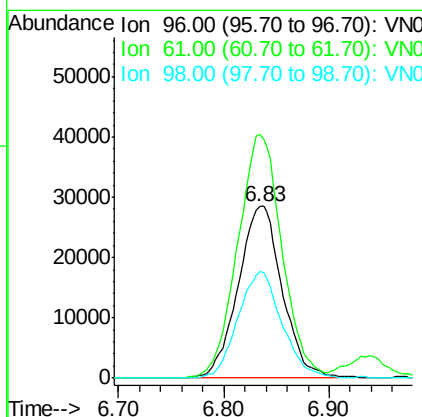
RT: 6.83 min Scan# 1574

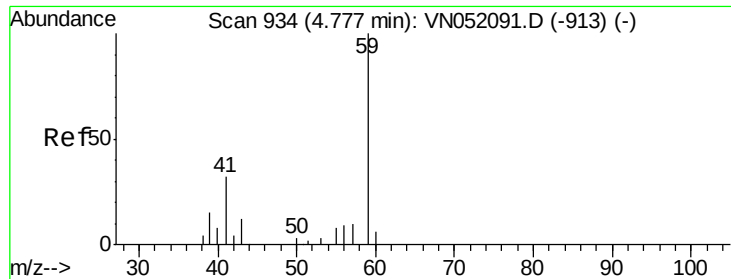
Delta R.T. -0.00 min

Lab File: VN052113.D

Acq: 1 Nov 2018 19:49

Tgt Ion:	96	Resp:	82631
Ion	Ratio	Lower	Upper
96	100		
61	142.7	124.5	186.7
98	61.7	51.9	77.9





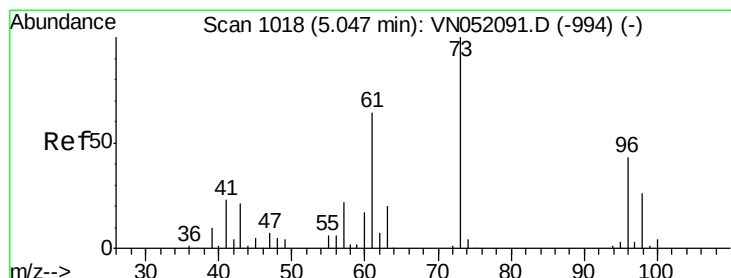
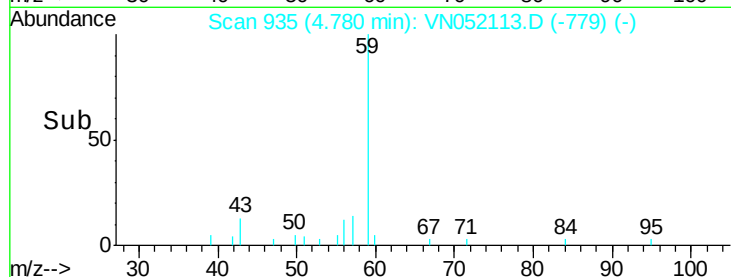
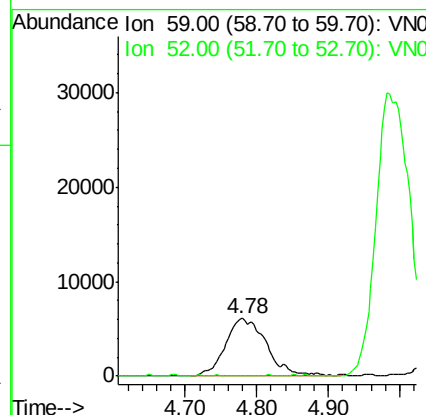
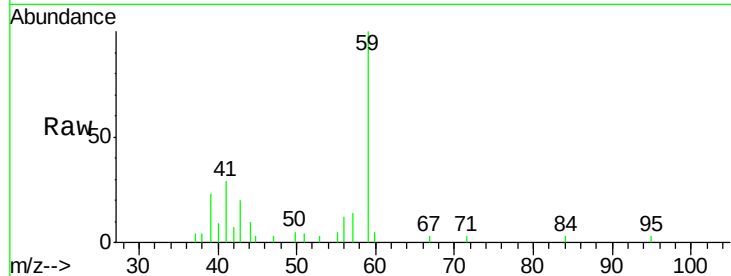
#23
 tert-Butyl Alcohol
 Concen: 131.024 ug/l m
 RT: 4.78 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VN052113.D
 Acq: 1 Nov 2018 19:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion: 59 Resp: 24456
 Ion Ratio Lower Upper
 59 100
 52 0.2 0.0 0.0#

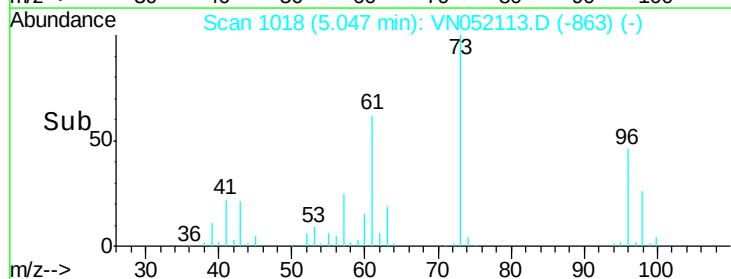
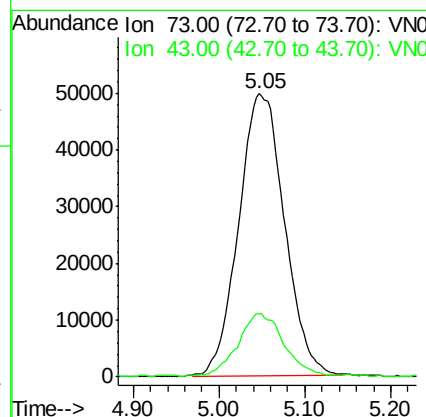
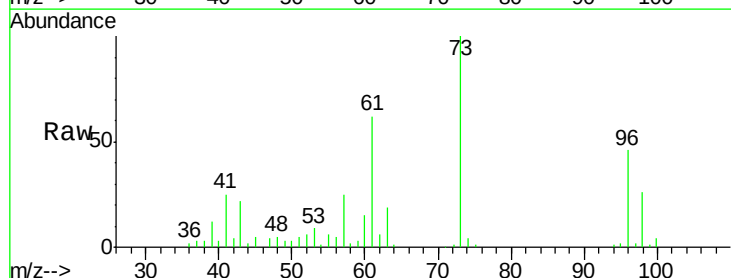
Manual Integrations
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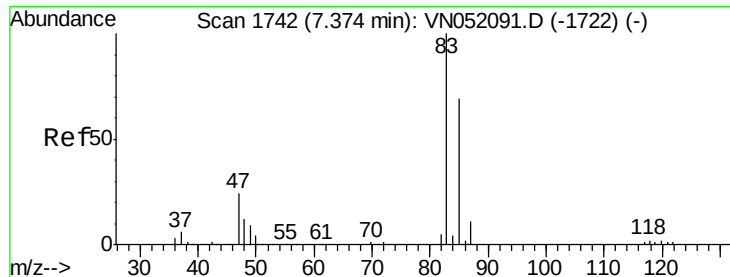
MMDadoda
 11/2/2018 9:21:45 AM



#24
 Methyl tert-Butyl Ether
 Concen: 20.574 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN052113.D
 Acq: 1 Nov 2018 19:49

Tgt Ion: 73 Resp: 184865
 Ion Ratio Lower Upper
 73 100
 43 21.8 5.4 8.0#





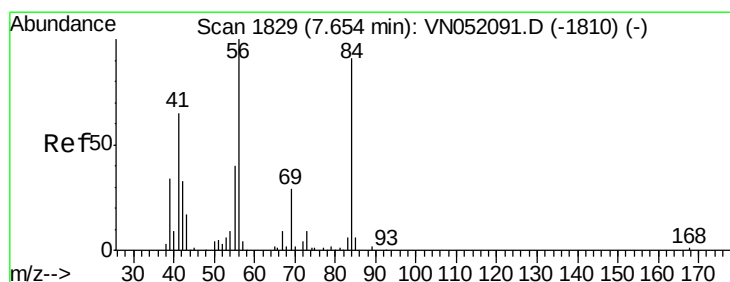
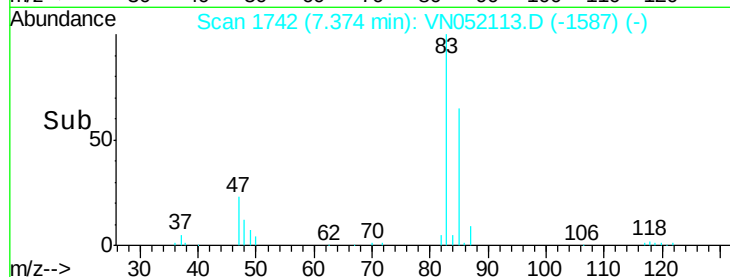
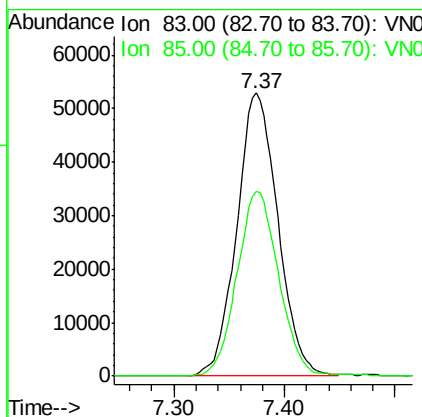
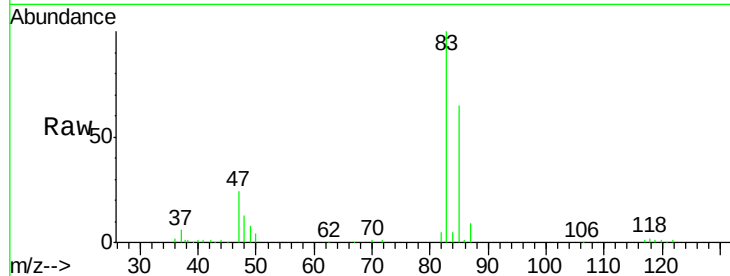
#25
Chloroform
Concen: 19.928 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN052113.D
Acq: 1 Nov 2018 19:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	54.6	82.0

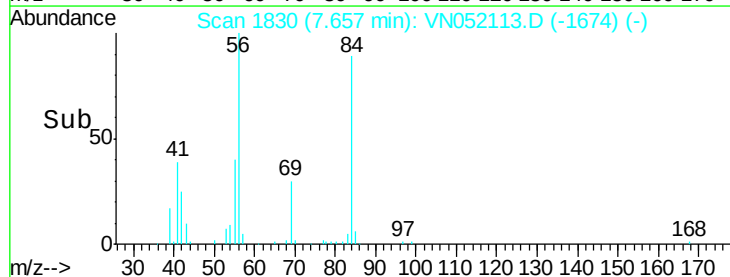
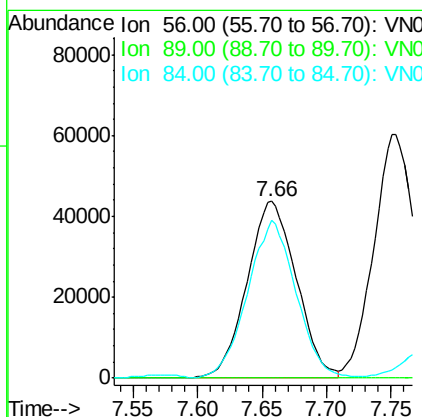
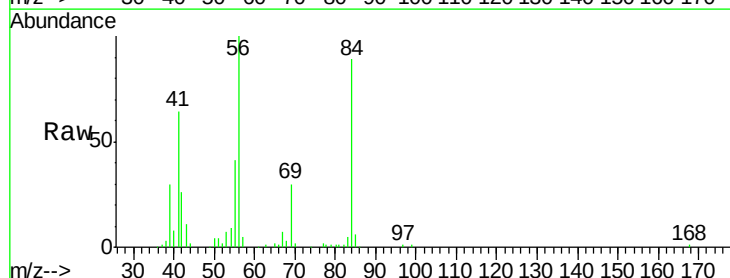
Manual Integrations
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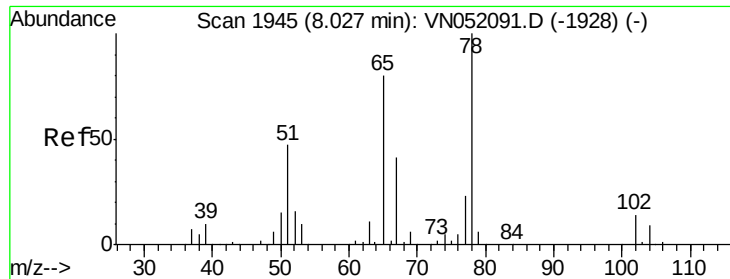
MMDadoda
11/2/2018 9:21:45 AM



#26
Cyclohexane
Concen: 18.958 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052113.D
Acq: 1 Nov 2018 19:49

Tgt Ion	Ratio	Lower	Upper
56	100		
89	0.0	1.5	2.3#
84	88.0	64.2	96.4





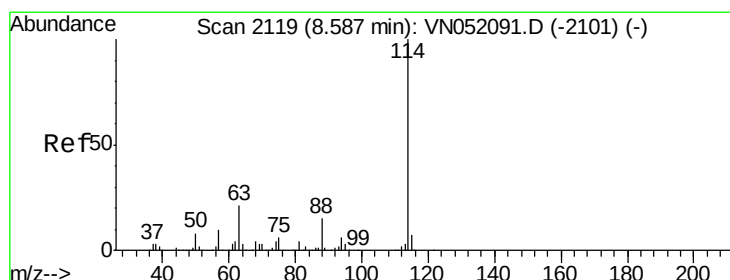
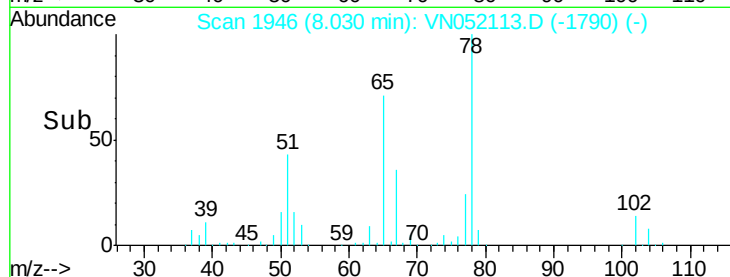
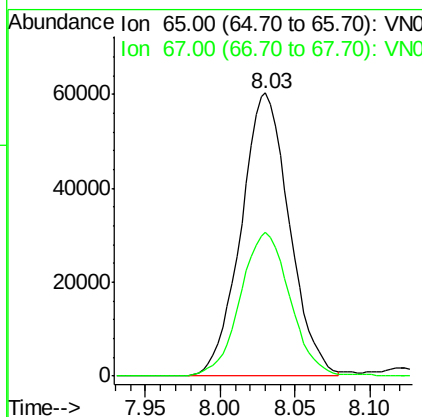
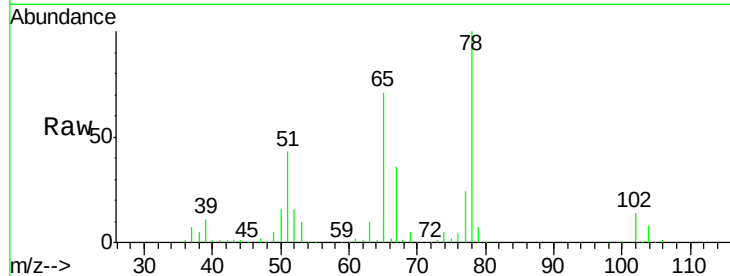
#27
 1,2-Dichloroethane-d4
 Concen: 18.958 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052113.D
 Acq: 1 Nov 2018 19:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion: 65 Resp: 135533
 Ion Ratio Lower Upper
 65 100
 67 52.0 41.8 62.8

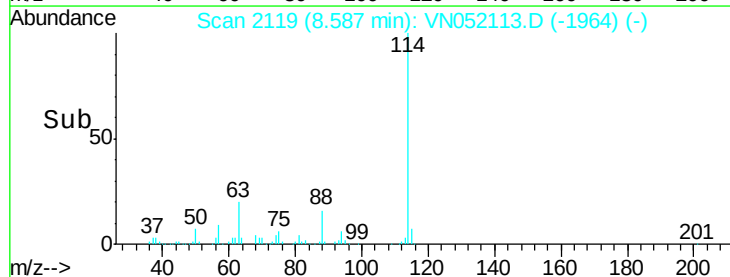
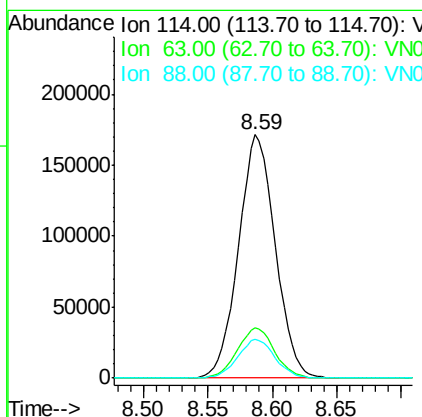
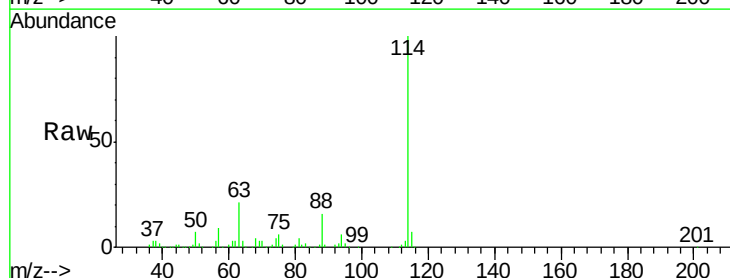
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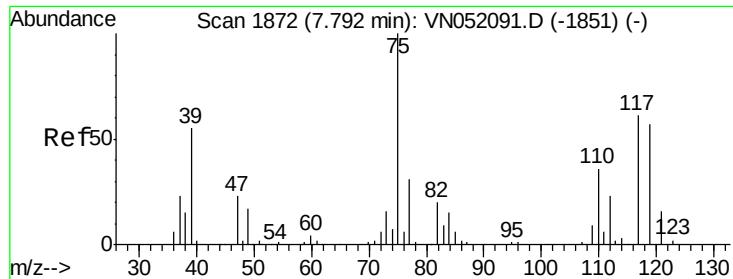
MMDadoda
 11/2/2018 9:21:45 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052113.D
 Acq: 1 Nov 2018 19:49

Tgt Ion: 114 Resp: 340435
 Ion Ratio Lower Upper
 114 100
 63 20.8 16.2 24.2
 88 16.2 12.2 18.4





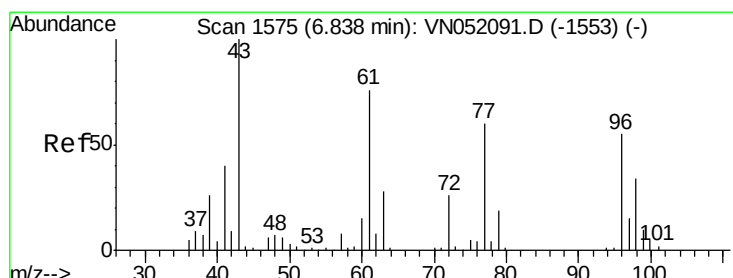
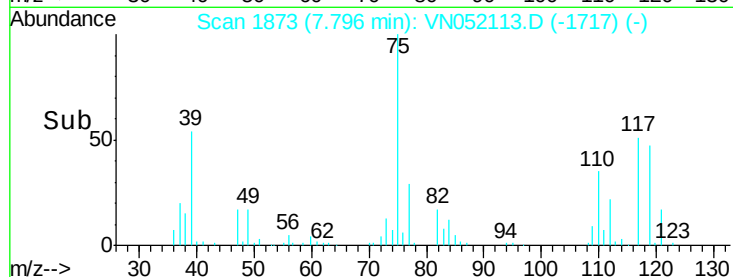
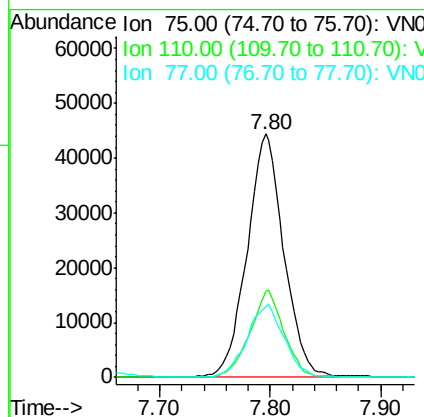
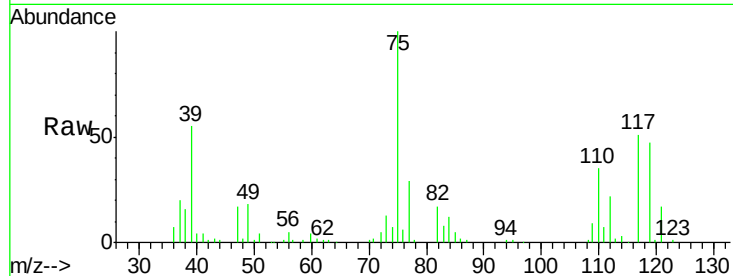
#29
 1,1-Dichloropropene
 Concen: 18.935 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052113.D
 Acq: 1 Nov 2018 19:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.9	0.0	70.8
77	30.3	0.0	61.6

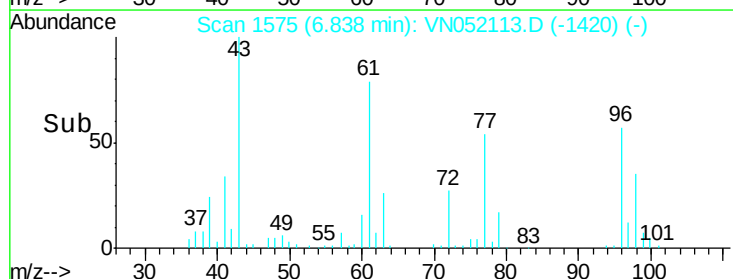
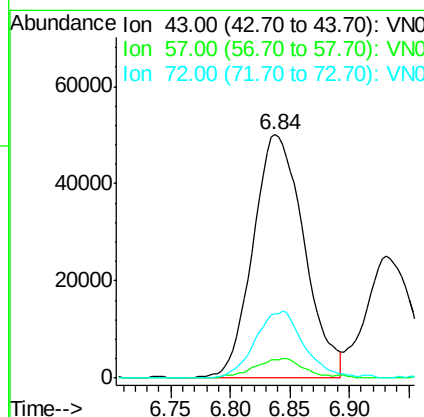
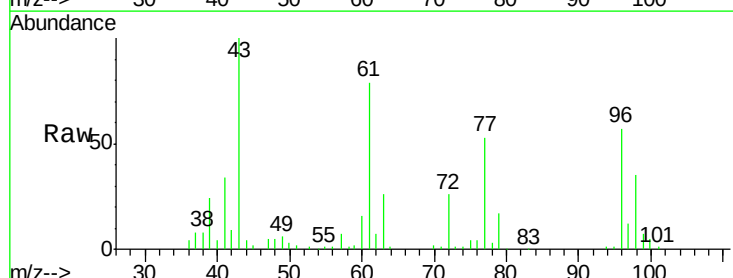
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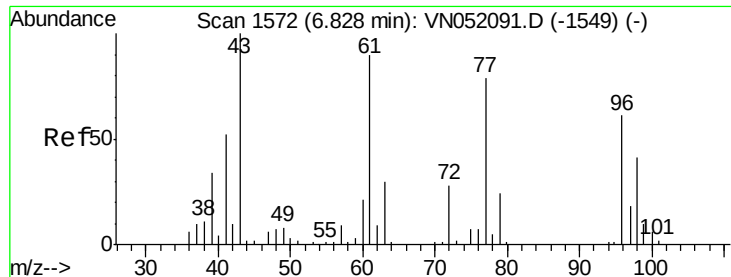
MMDadoda
 11/2/2018 9:21:45 AM



#30
 2-Butanone
 Concen: 102.637 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN052113.D
 Acq: 1 Nov 2018 19:49

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.8	4.5	6.7#
72	26.5	21.5	32.3





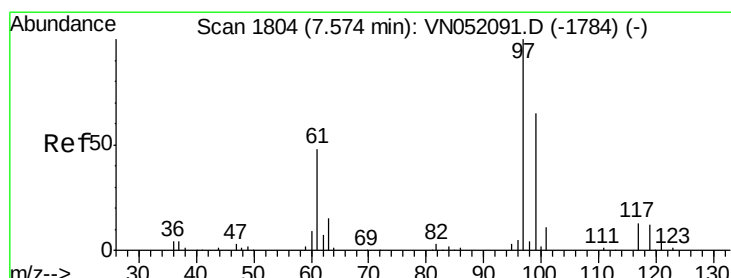
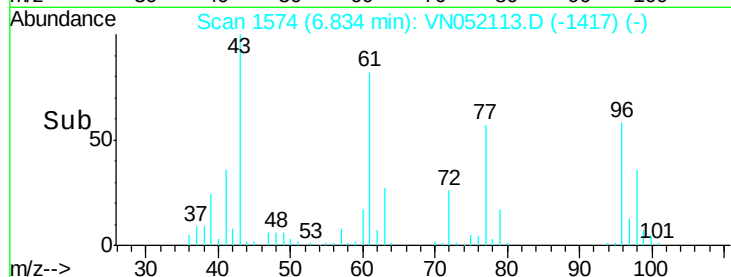
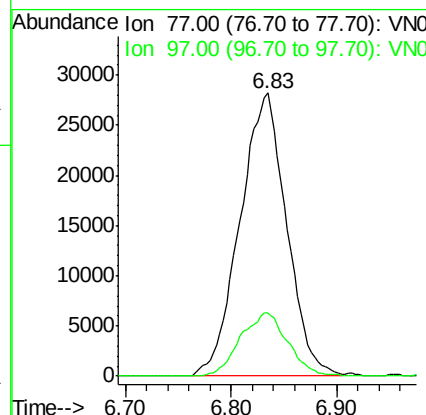
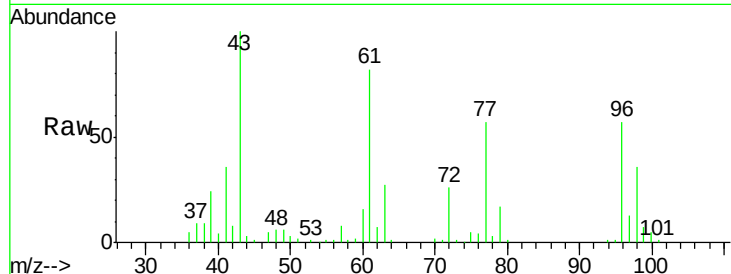
#31
 2,2-Dichloropropane
 Concen: 15.547 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.01 min
 Lab File: VN052113.D
 Acq: 1 Nov 2018 19:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion: 77 Resp: 86606
 Ion Ratio Lower Upper
 77 100
 97 22.5 12.0 18.0#

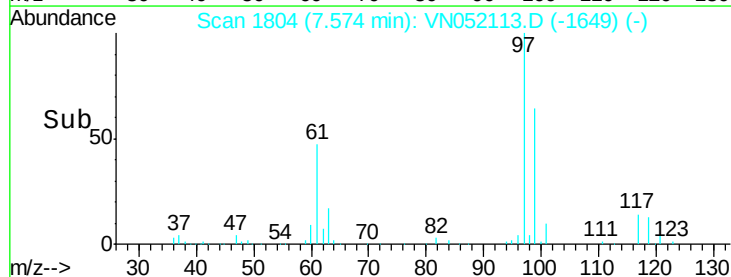
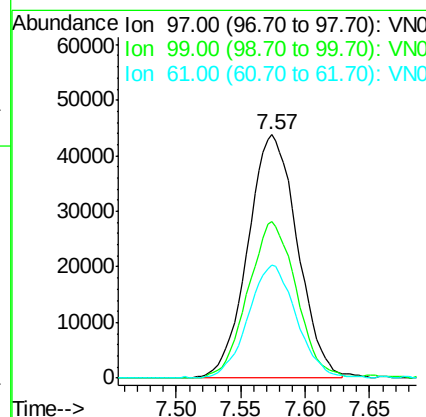
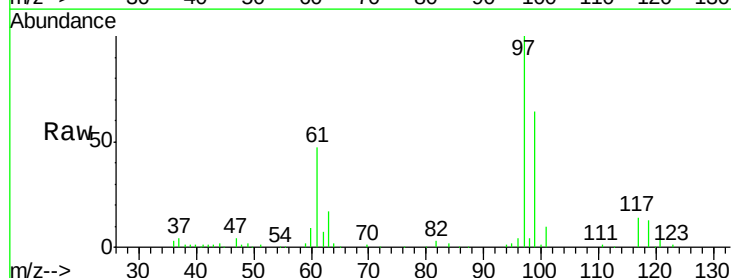
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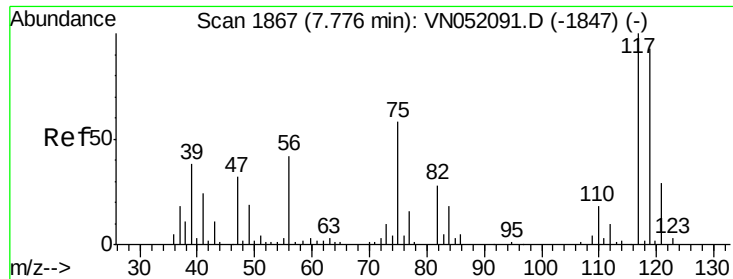
MMDadoda
 11/2/2018 9:21:45 AM



#32
 1,1,1-Trichloroethane
 Concen: 19.386 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN052113.D
 Acq: 1 Nov 2018 19:49

Tgt Ion: 97 Resp: 117234
 Ion Ratio Lower Upper
 97 100
 99 62.6 51.6 77.4
 61 45.1 37.4 56.0





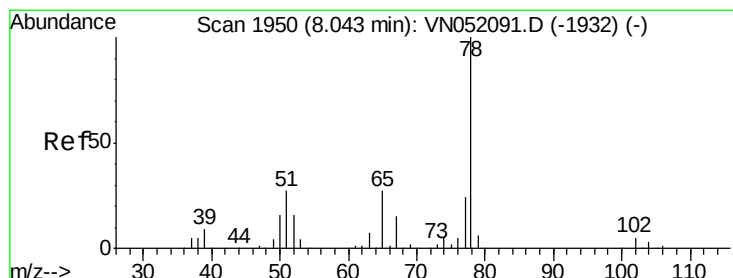
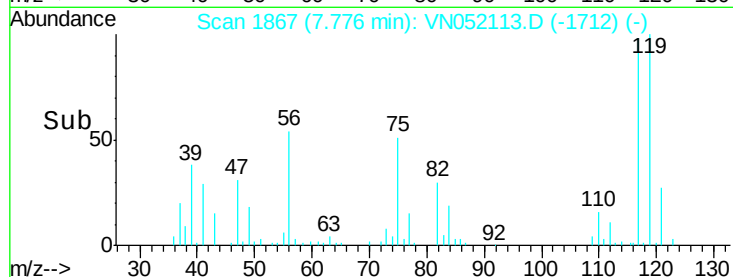
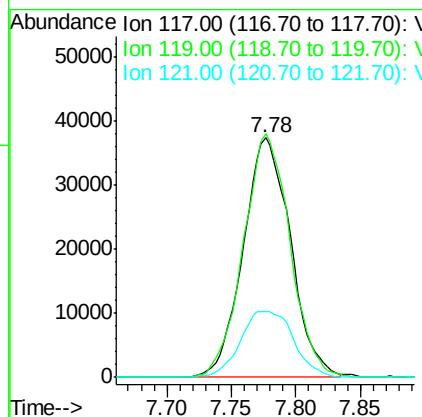
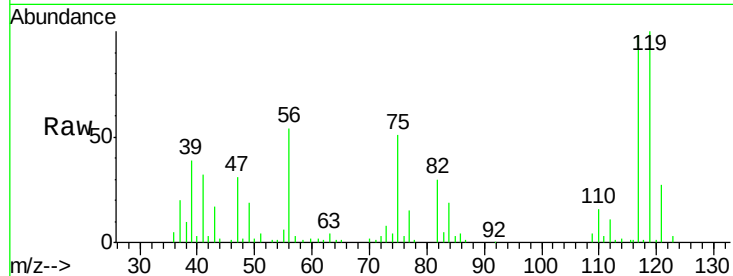
#33
Carbon Tetrachloride
Concen: 17.763 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052113.D
Acq: 1 Nov 2018 19:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 117 Resp: 95532
Ion Ratio Lower Upper
117 100
119 101.8 85.1 127.7
121 27.5 24.2 36.2

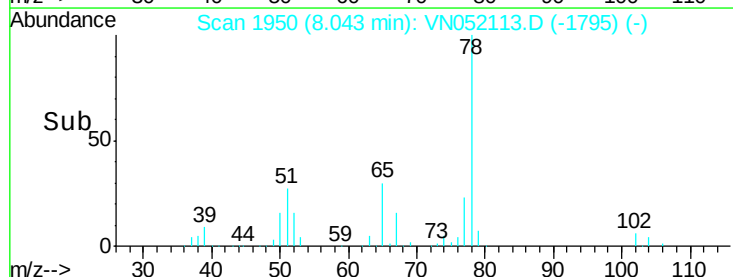
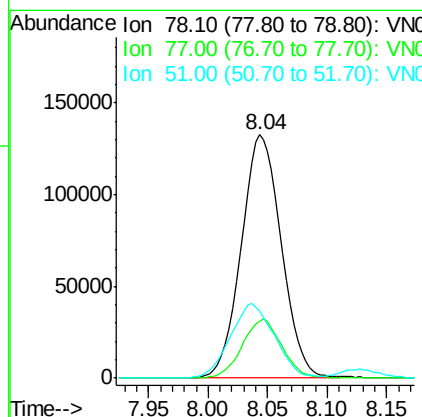
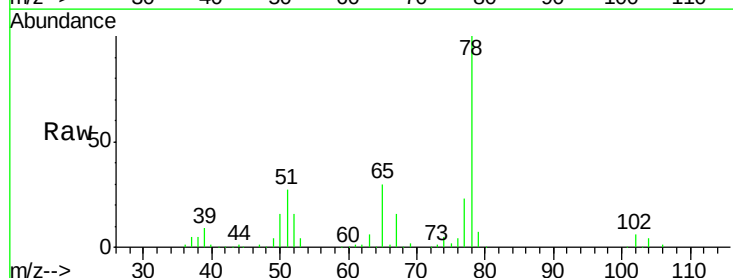
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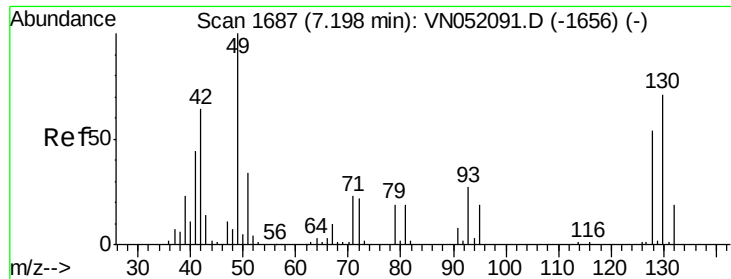
MMDadoda
11/2/2018 9:21:45 AM



#34
Benzene
Concen: 19.517 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052113.D
Acq: 1 Nov 2018 19:49

Tgt Ion: 78 Resp: 308872
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2
51 27.1 46.2 69.4#





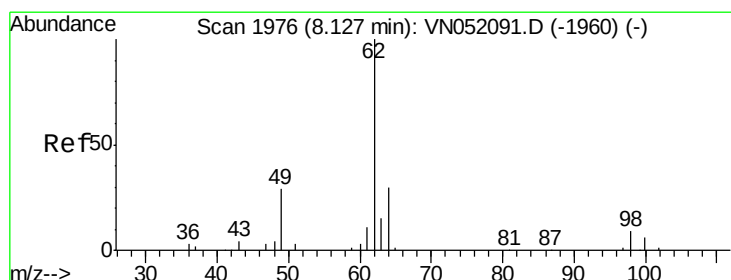
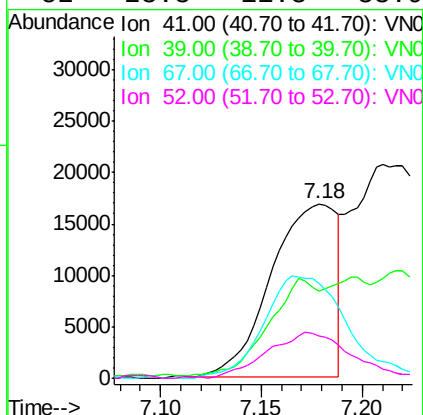
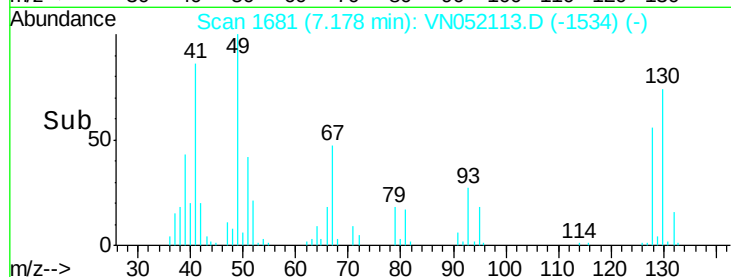
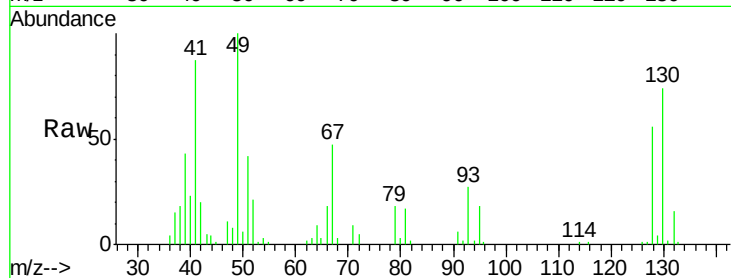
#35
Methacrylonitrile
Concen: 12.519 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.03 min
Lab File: VN052113.D
Acq: 1 Nov 2018 19:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
41	100		
39	48.8	22.6	67.7
67	55.1	28.9	86.8
52	23.3	11.3	33.9

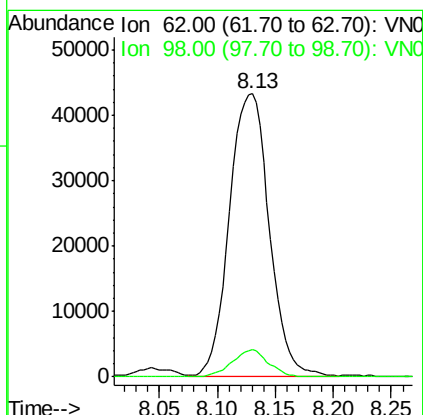
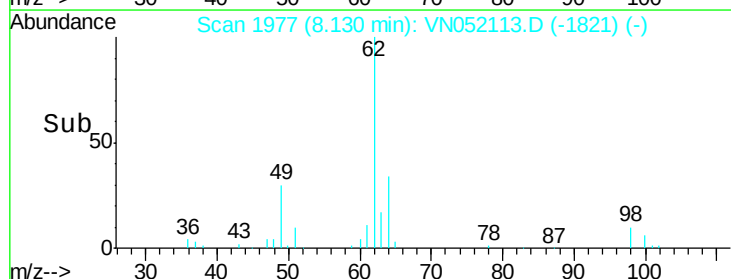
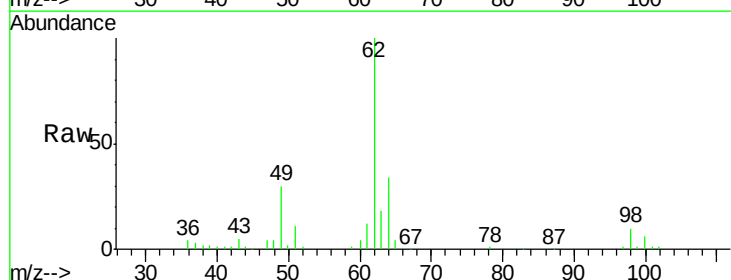
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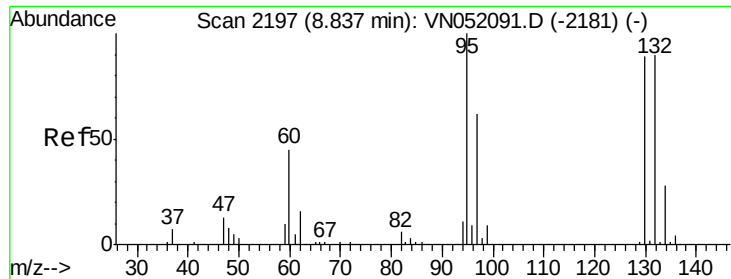
MMDadoda
11/2/2018 9:21:45 AM



#36
1,2-Dichloroethane
Concen: 19.410 ug/l
RT: 8.13 min Scan# 1977
Delta R.T. 0.00 min
Lab File: VN052113.D
Acq: 1 Nov 2018 19:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	6.9	10.3





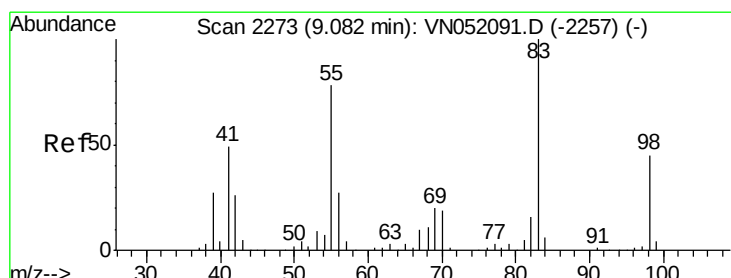
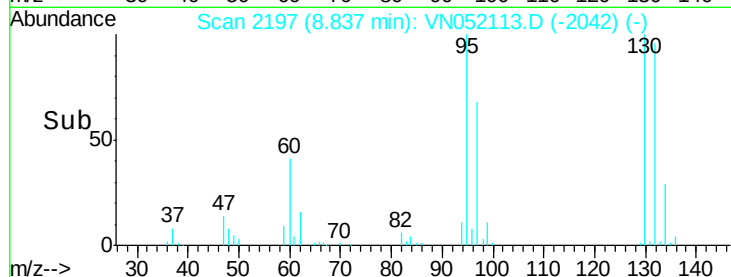
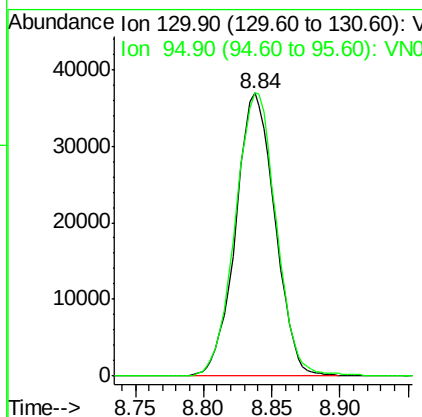
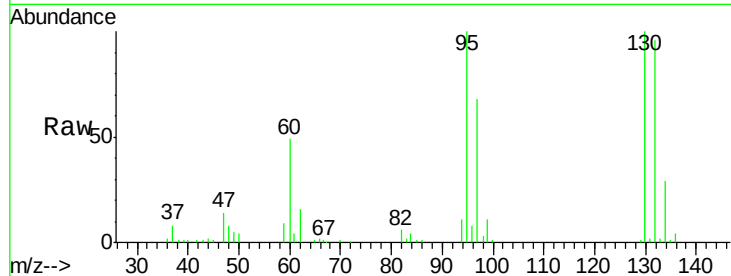
#37
 Trichloroethene
 Concen: 18.598 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VN052113.D
 Acq: 1 Nov 2018 19:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion:130 Resp: 73665
 Ion Ratio Lower Upper
 130 100
 95 100.0 76.4 114.6

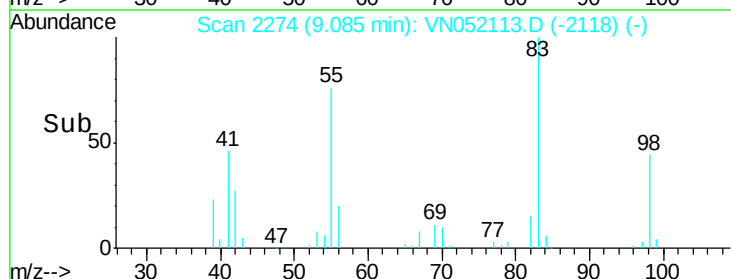
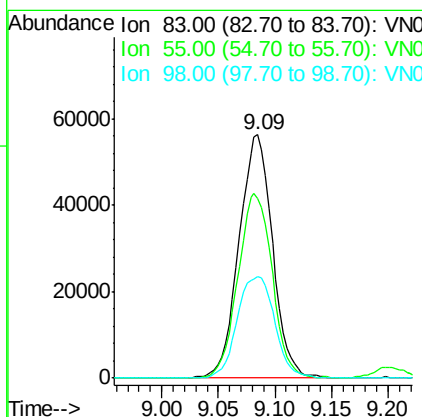
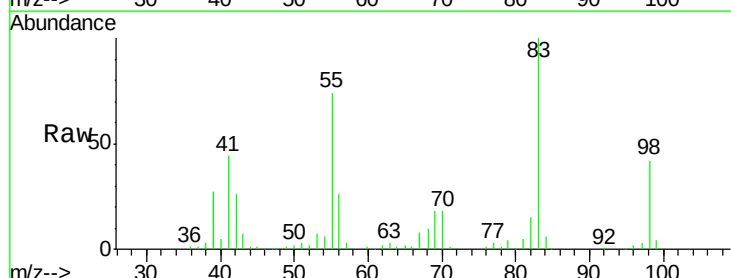
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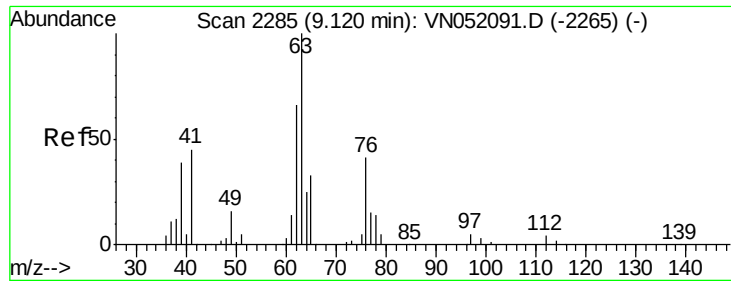
MMDadoda
 11/2/2018 9:21:45 AM



#38
 Methylcyclohexane
 Concen: 17.630 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN052113.D
 Acq: 1 Nov 2018 19:49

Tgt Ion: 83 Resp: 116242
 Ion Ratio Lower Upper
 83 100
 55 77.5 43.0 129.2
 98 46.6 21.3 63.7





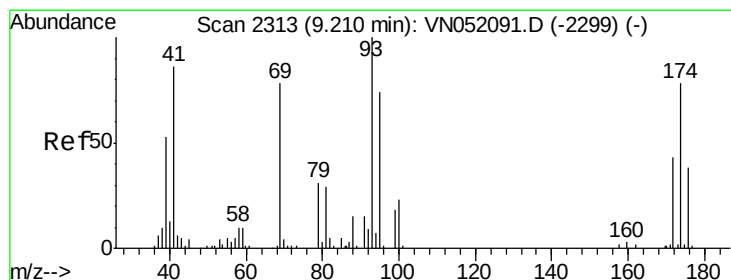
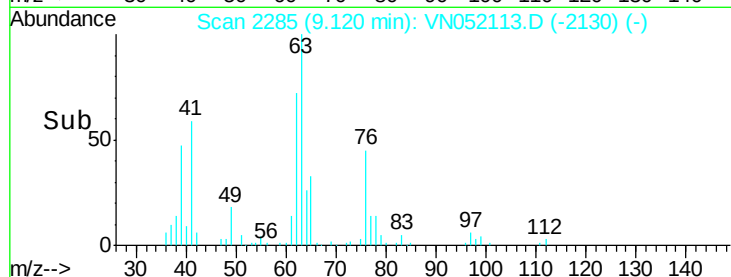
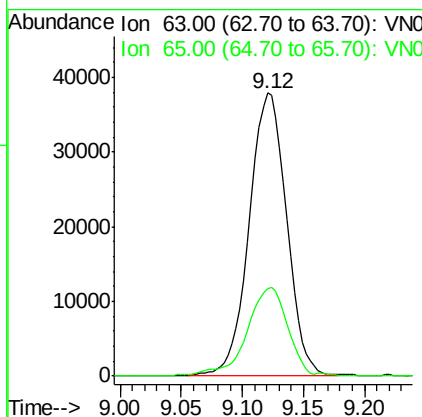
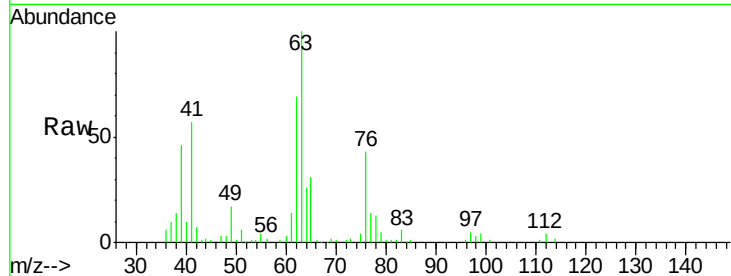
#39
 1,2-Dichloropropane
 Concen: 19.110 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN052113.D
 Acq: 1 Nov 2018 19:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion: 63 Resp: 80504
 Ion Ratio Lower Upper
 63 100
 65 31.1 23.2 34.8

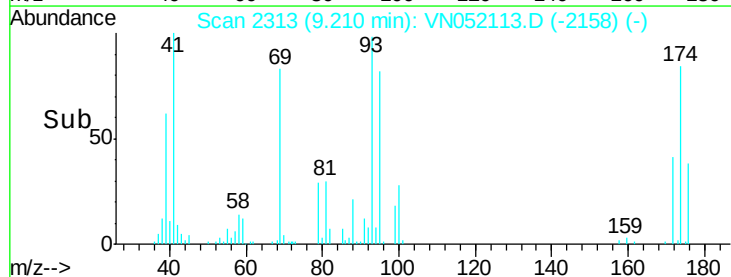
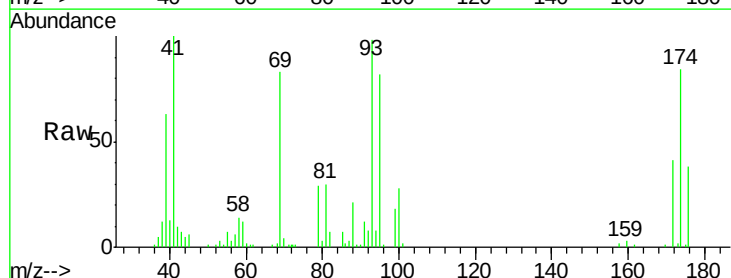
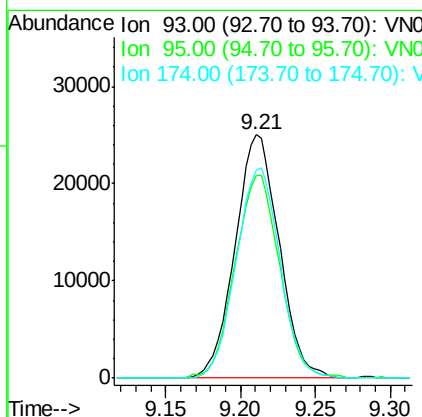
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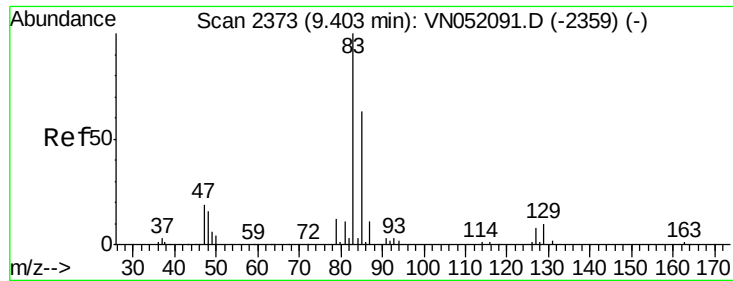
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 11/2/2018 9:21:45 AM



#40
 Dibromomethane
 Concen: 19.754 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN052113.D
 Acq: 1 Nov 2018 19:49

Tgt Ion: 93 Resp: 51294
 Ion Ratio Lower Upper
 93 100
 95 84.0 0.0 162.0
 174 85.9 0.0 214.0





#41

Bromodichloromethane

Concen: 18.653 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052113.D

Acq: 1 Nov 2018 19:49

Instrument :

MSVOA_N

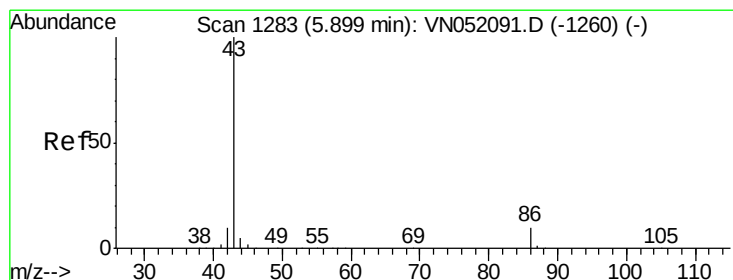
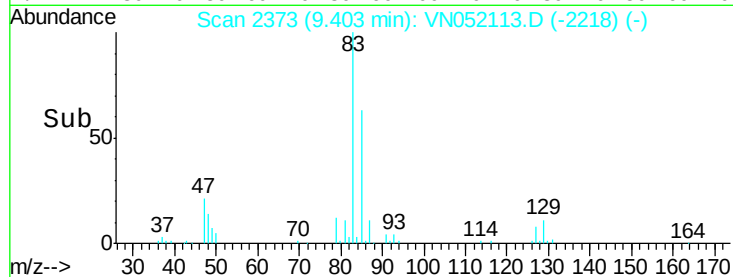
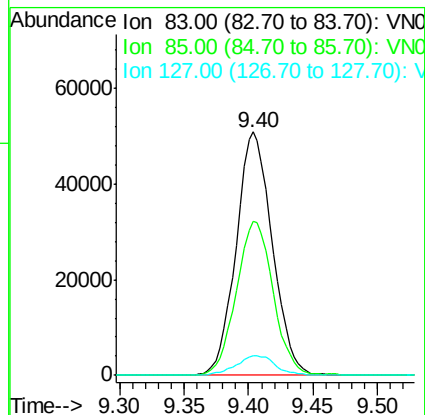
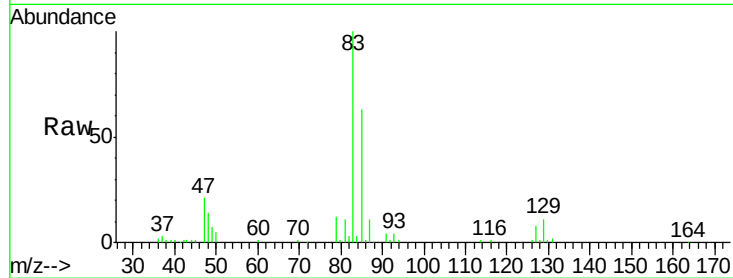
ClientSampleId :

VSTDCCC020EC

Tgt Ion:	83	Resp:	99104
Ion Ratio	Lower	Upper	
83	100		
85	63.3	55.7	83.5
127	8.2	8.2	12.4#

Manual Integrations
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MMDadoda
11/2/2018 9:21:45 AM



#42

Vinyl Acetate

Concen: 99.744 ug/l

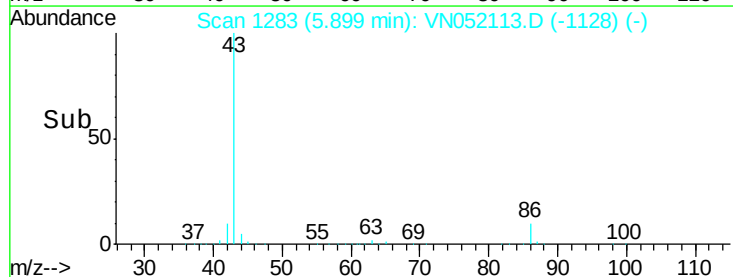
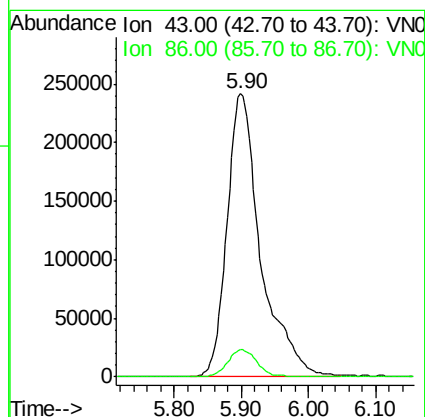
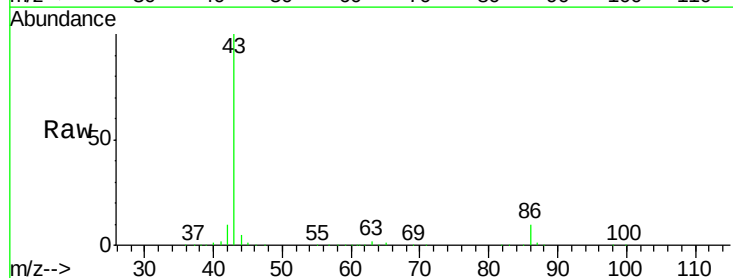
RT: 5.90 min Scan# 1283

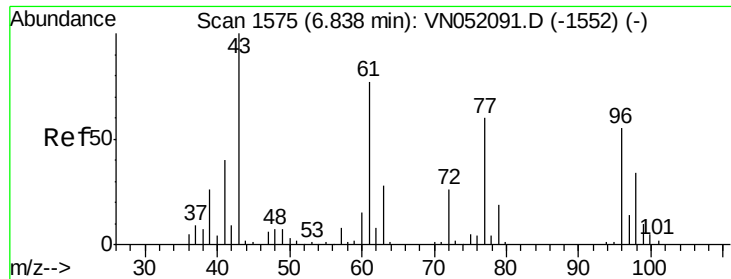
Delta R.T. -0.00 min

Lab File: VN052113.D

Acq: 1 Nov 2018 19:49

Tgt Ion:	43	Resp:	840479
Ion Ratio	Lower	Upper	
43	100		
86	8.5	6.5	9.7





#43

Ethyl Acetate

Concen: 13.977 ug/l m

RT: 6.84 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VN052113.D

Acq: 1 Nov 2018 19:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 43 Resp: 150047

Ion Ratio Lower Upper

43 100

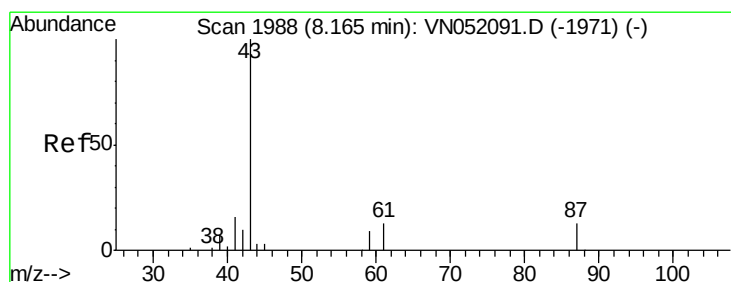
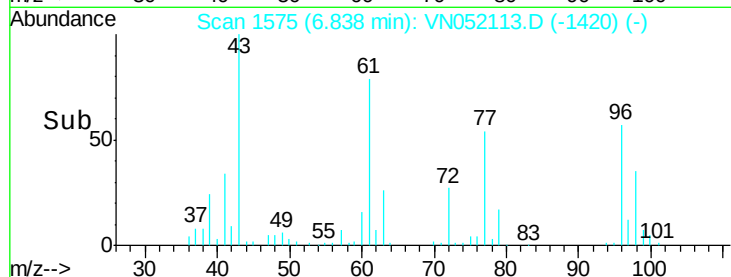
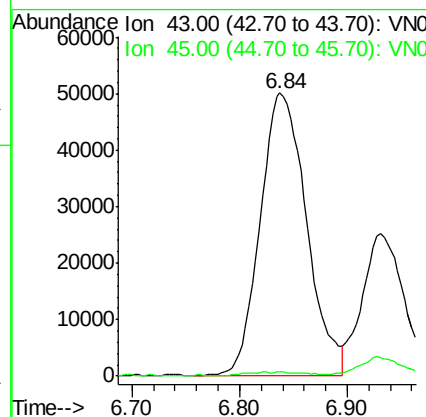
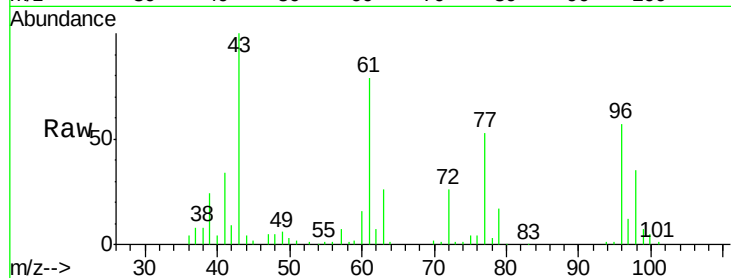
45 5.8 11.0 16.6#

Manual Integrations

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11/2/2018 9:21:45 AM



#44

Isopropyl Acetate

Concen: 21.762 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN052113.D

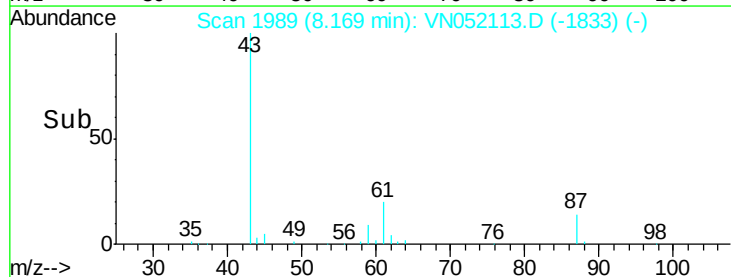
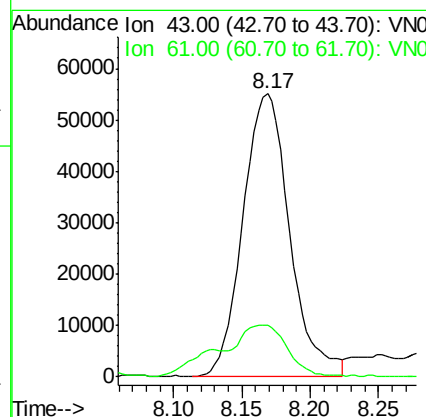
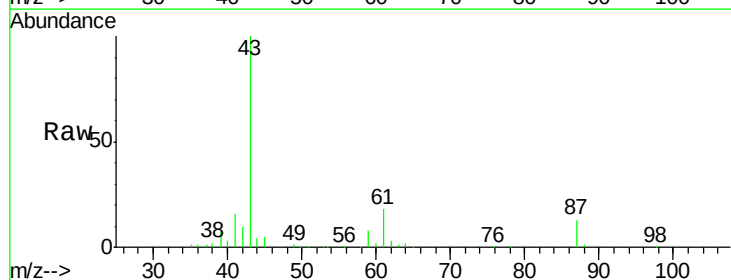
Acq: 1 Nov 2018 19:49

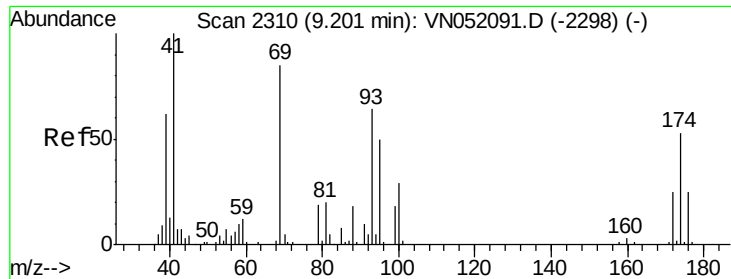
Tgt Ion: 43 Resp: 130334

Ion Ratio Lower Upper

43 100

61 19.1 15.9 23.9





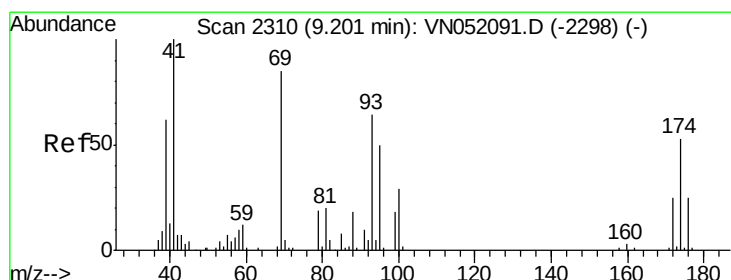
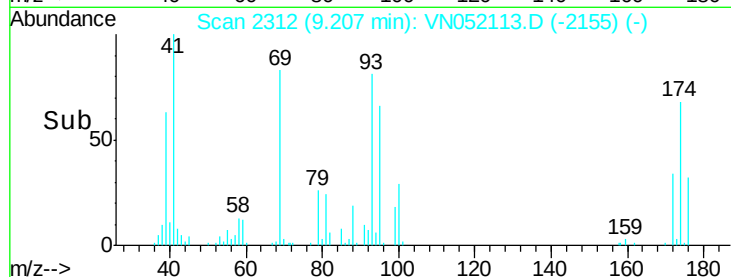
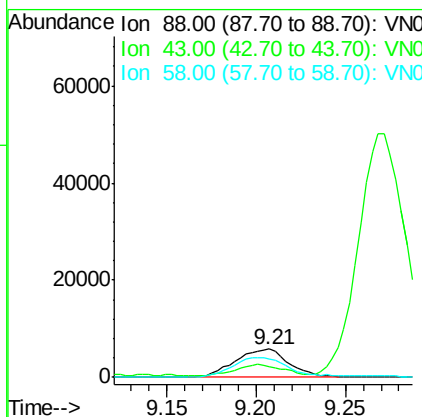
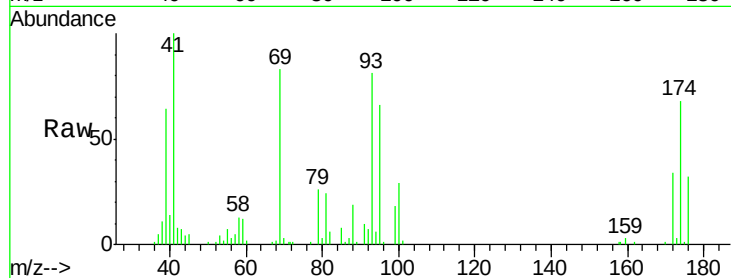
#45
1,4-Dioxane
Concen: 447.123 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.01 min
Lab File: VN052113.D
Acq: 1 Nov 2018 19:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	12216		
43	35.0	26.2	39.2	
58	71.3	65.6	98.4	

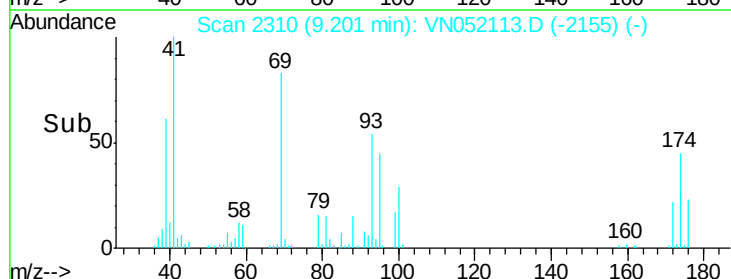
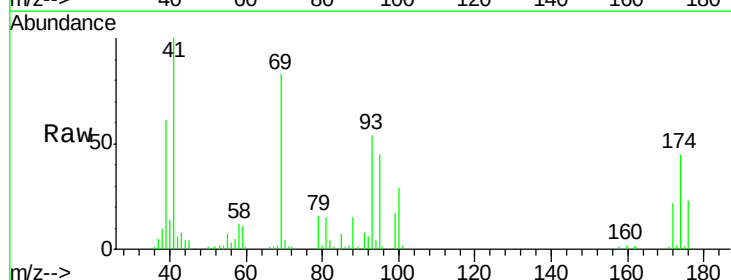
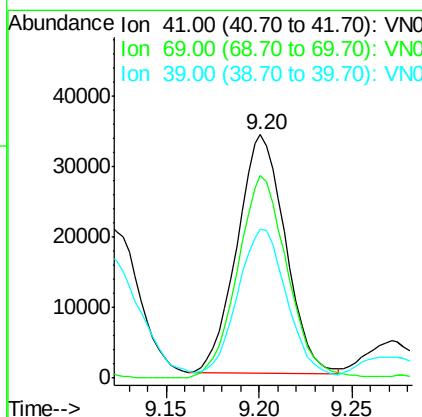
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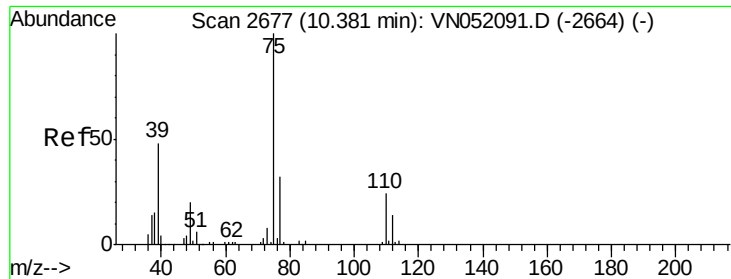
MMDadoda
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#46
Methyl methacrylate
Concen: 20.633 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN052113.D
Acq: 1 Nov 2018 19:49

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	61511		
69	85.1	40.7	122.1	
39	61.1	27.3	81.9	





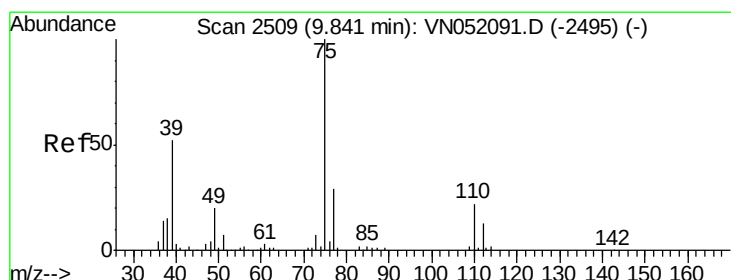
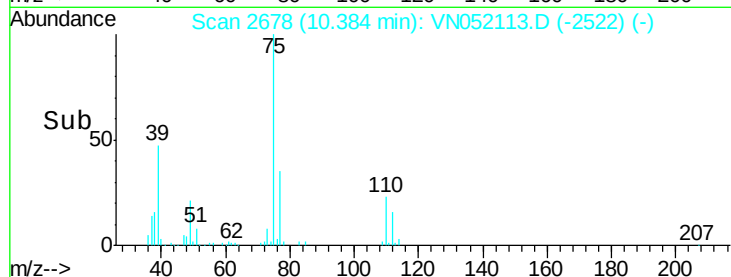
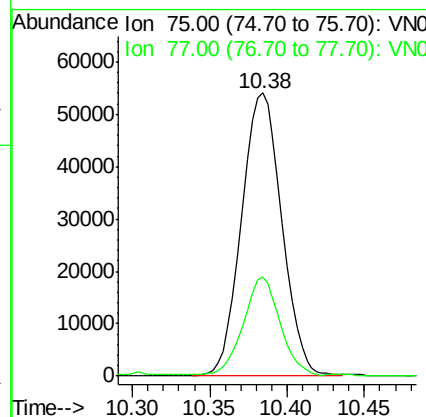
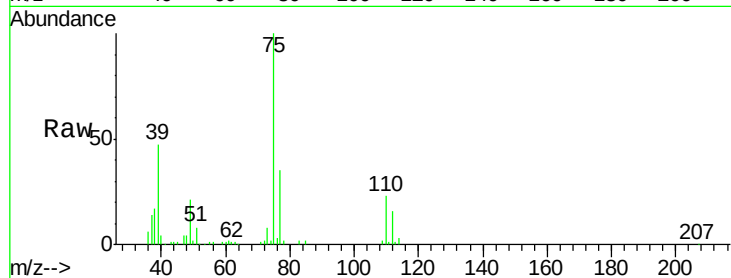
#48
t-1,3-Dichloropropene
Concen: 18.580 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN052113.D
Acq: 1 Nov 2018 19:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 75 Resp: 98025
Ion Ratio Lower Upper
75 100
77 34.4 24.6 37.0

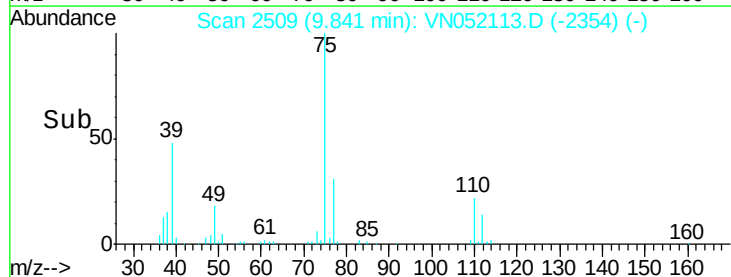
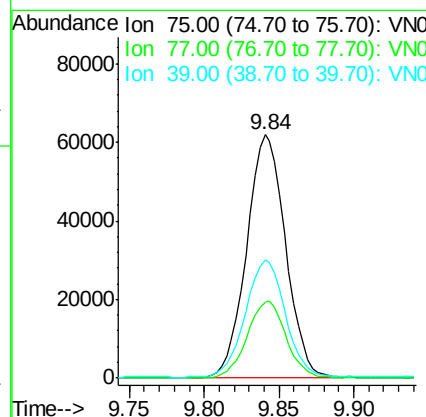
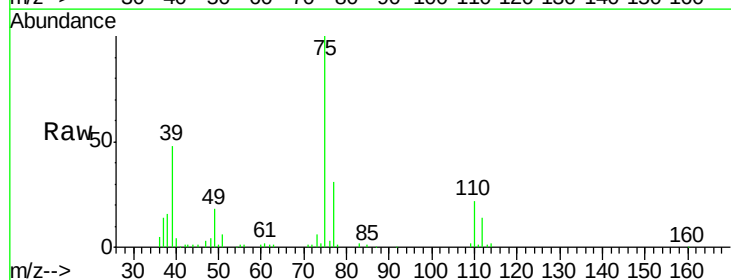
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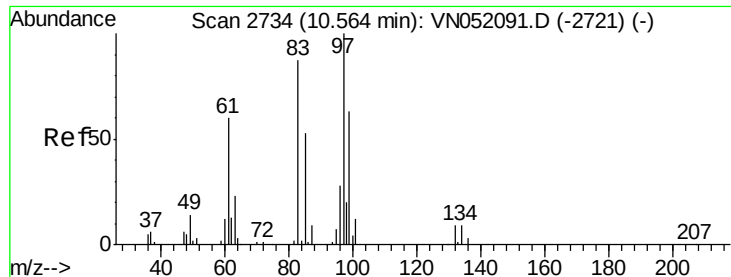
MMDadoda
11/2/2018 9:21:45 AM



#49
cis-1,3-Dichloropropene
Concen: 18.448 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN052113.D
Acq: 1 Nov 2018 19:49

Tgt Ion: 75 Resp: 112332
Ion Ratio Lower Upper
75 100
77 31.4 23.2 34.8
39 47.9 34.6 52.0





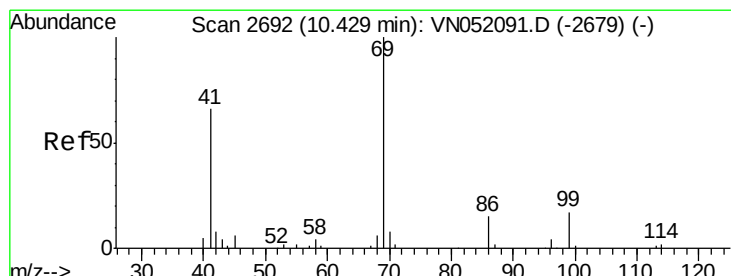
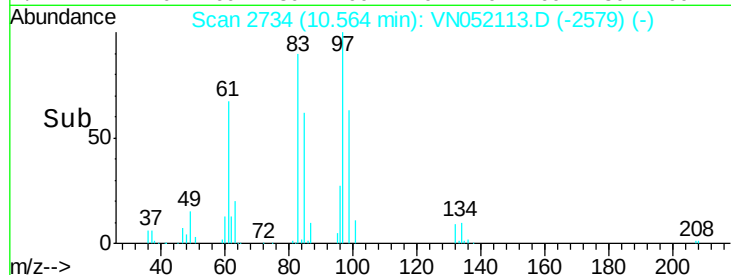
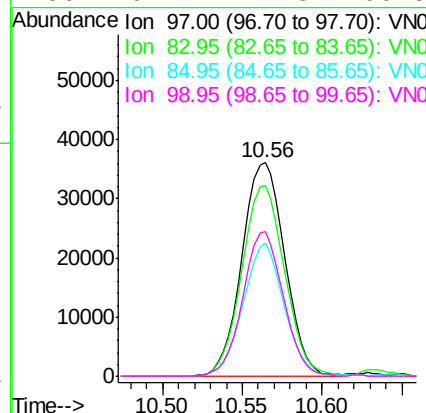
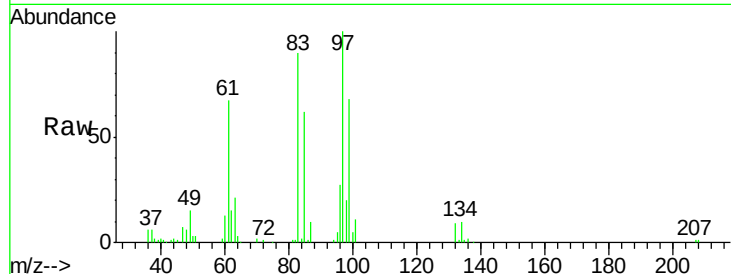
#50
 1,1,2-Trichloroethane
 Concen: 19.268 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN052113.D
 Acq: 1 Nov 2018 19:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.6	68.2	102.4
85	62.4	42.5	63.7
99	67.7	44.3	66.5

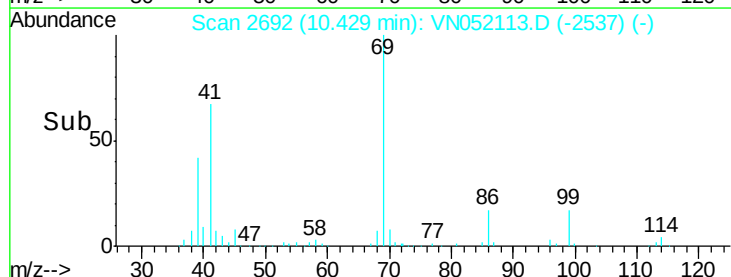
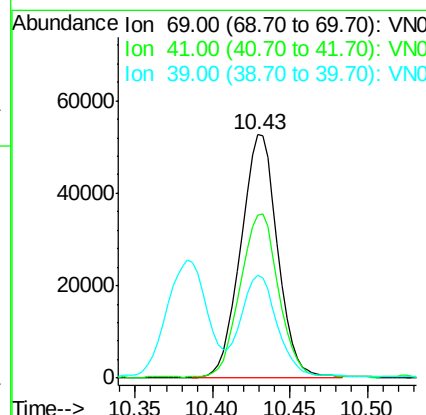
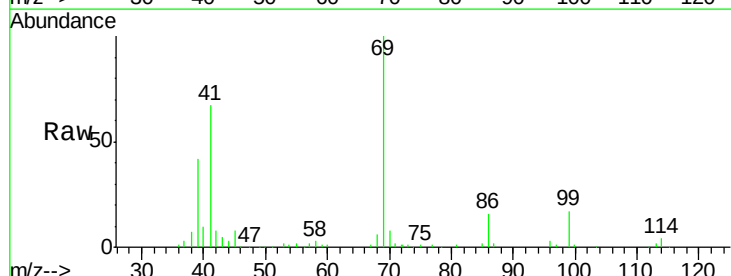
Manual Integrations
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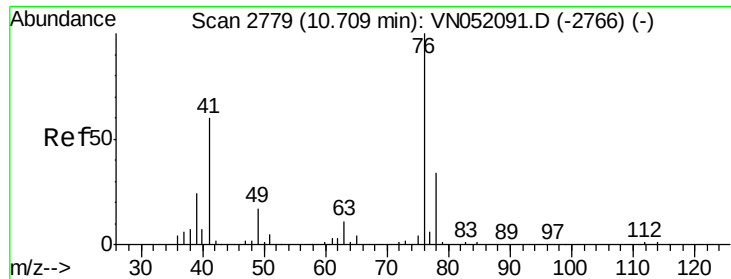
MMDadoda
 11/2/2018 9:21:45 AM



#51
 Ethyl methacrylate
 Concen: 19.761 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052113.D
 Acq: 1 Nov 2018 19:49

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.7	34.4	103.1
39	41.3	16.3	48.8





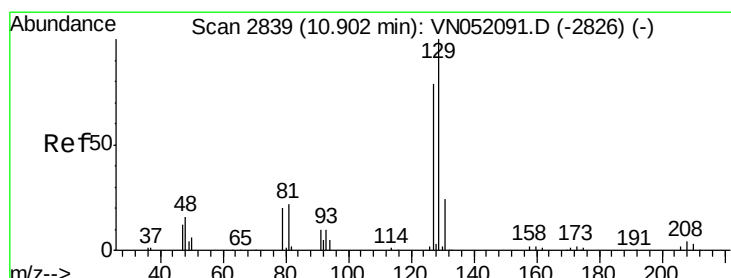
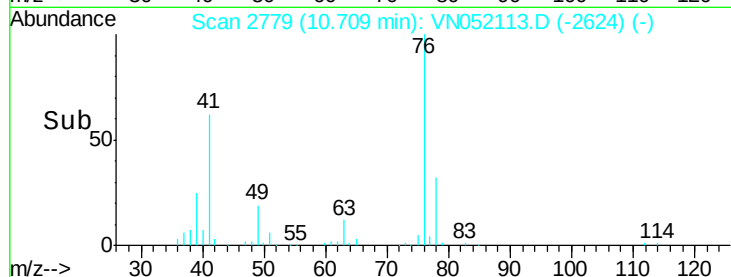
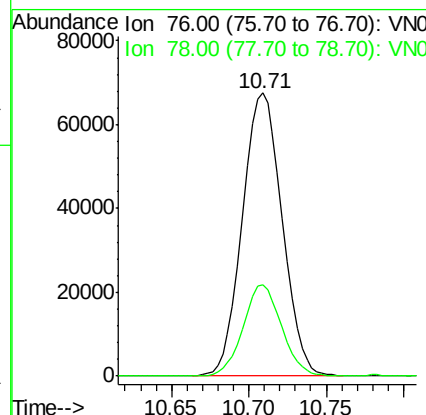
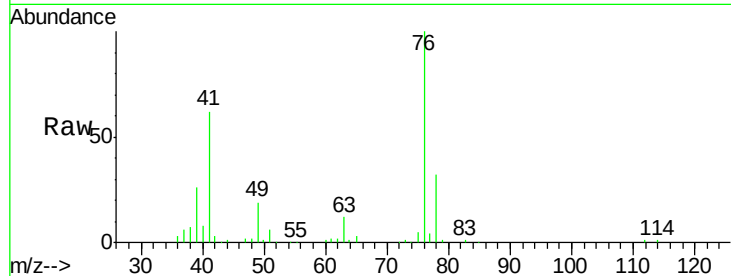
#52
 1,3-Dichloropropane
 Concen: 20.234 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN052113.D
 Acq: 1 Nov 2018 19:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion: 76 Resp: 121023
 Ion Ratio Lower Upper
 76 100
 78 31.1 0.0 67.6

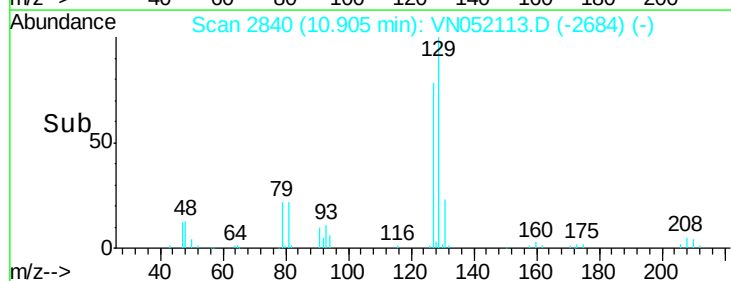
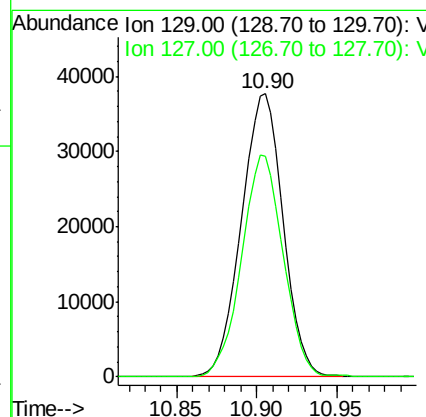
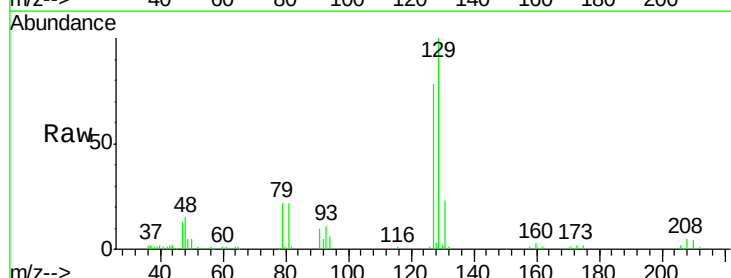
Manual Integrations
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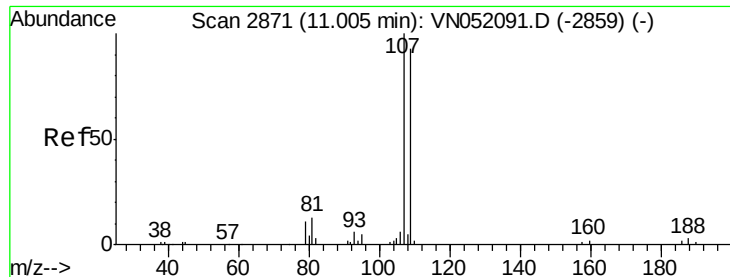
MMDadoda
 11/2/2018 9:21:45 AM



#53
 Dibromochloromethane
 Concen: 18.116 ug/l
 RT: 10.90 min Scan# 2840
 Delta R.T. 0.00 min
 Lab File: VN052113.D
 Acq: 1 Nov 2018 19:49

Tgt Ion: 129 Resp: 67157
 Ion Ratio Lower Upper
 129 100
 127 77.9 40.2 120.5





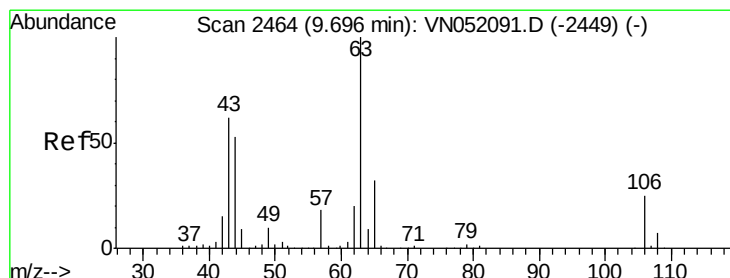
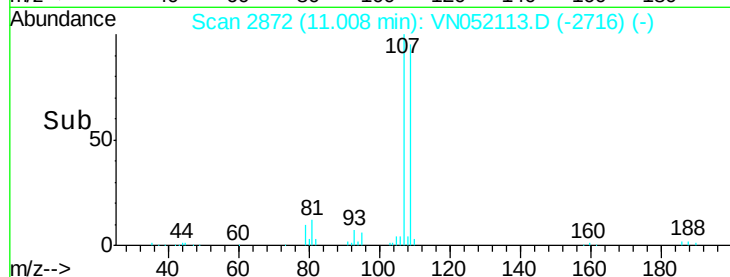
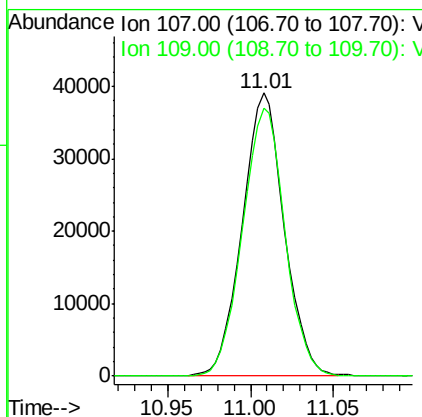
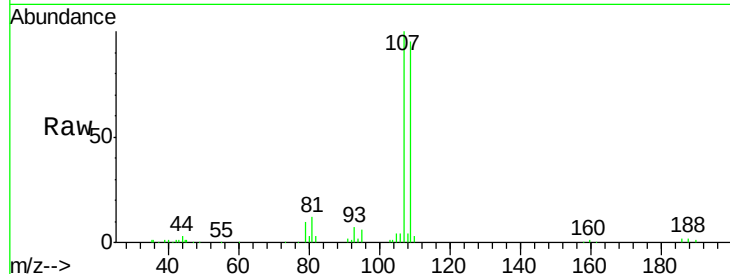
#54
 1,2-Dibromoethane
 Concen: 19.736 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052113.D
 Acq: 1 Nov 2018 19:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion: 107 Resp: 68719
 Ion Ratio Lower Upper
 107 100
 109 95.8 77.4 116.0

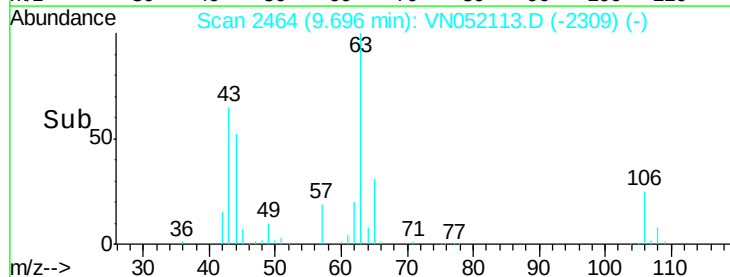
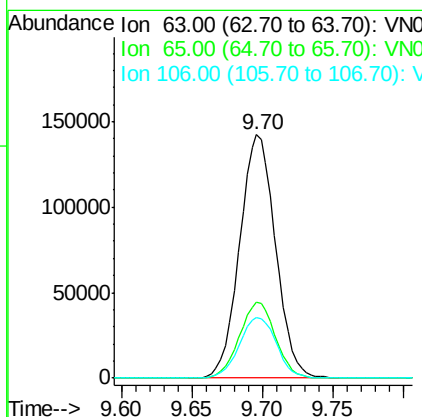
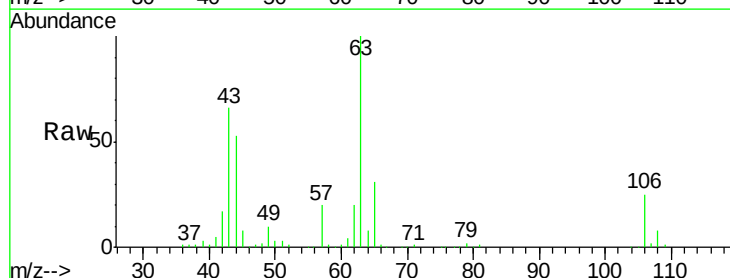
Manual Integrations
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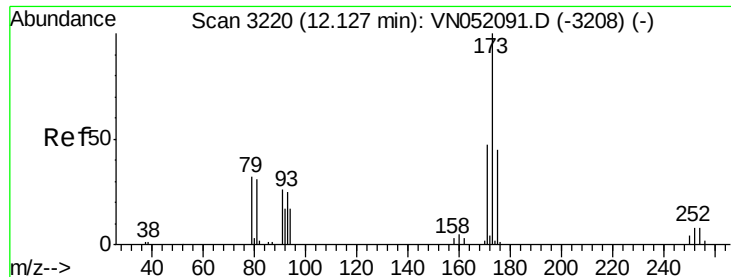
MMDadoda
 11/2/2018 9:21:45 AM



#55
 2-Chloroethyl vinyl ether
 Concen: 104.498 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN052113.D
 Acq: 1 Nov 2018 19:49

Tgt Ion: 63 Resp: 253939
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.4 38.0
 106 26.0 21.2 31.8





#56

Bromoform

Concen: 17.248 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN052113.D

Acq: 1 Nov 2018 19:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:173 Resp: 36929

Ion Ratio Lower Upper

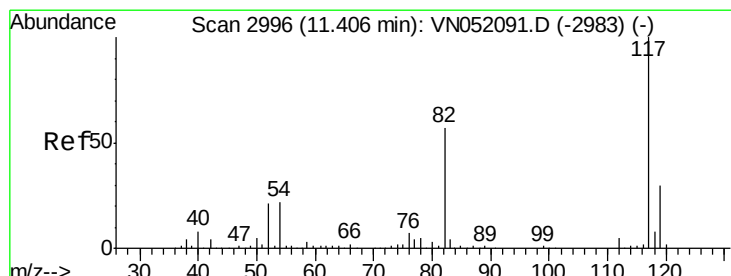
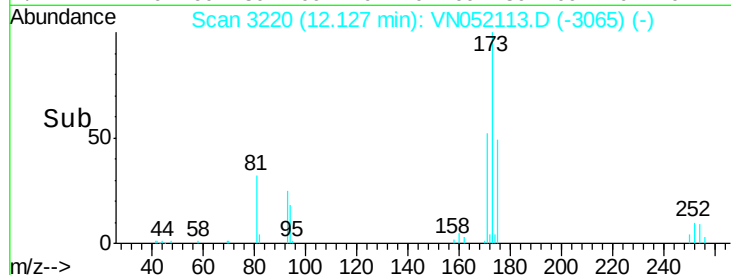
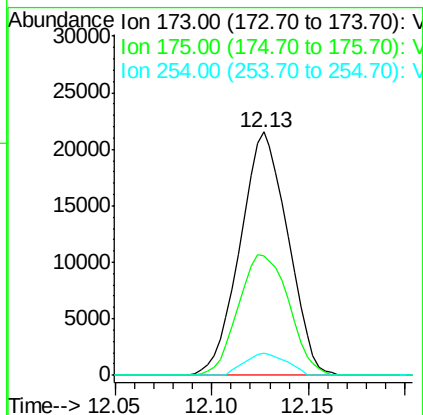
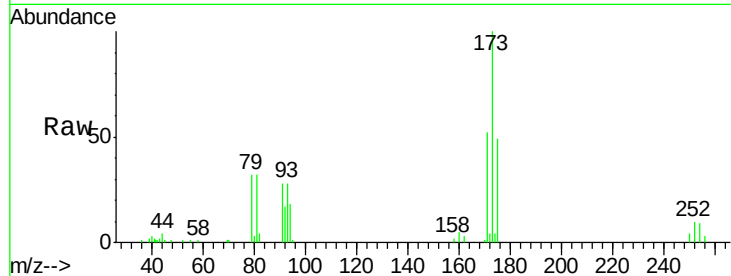
173 100

175 52.5 35.8 53.8

254 8.0 8.6 13.0#

Manual Integrations
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11/2/2018 9:21:45 AM



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN052113.D

Acq: 1 Nov 2018 19:49

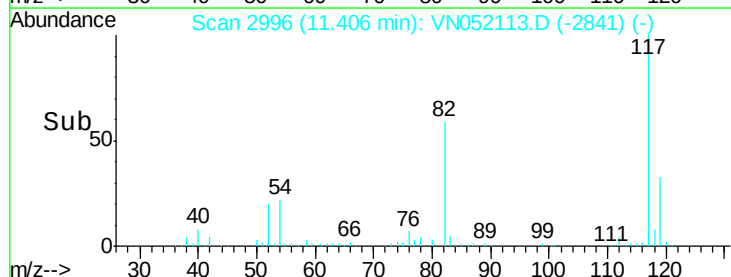
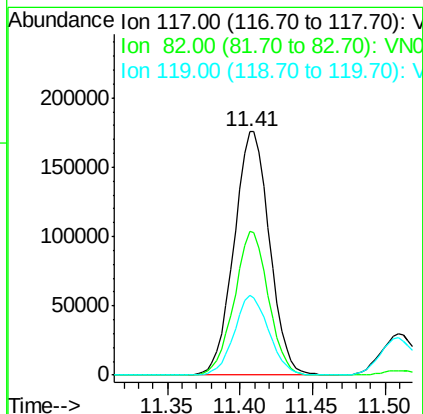
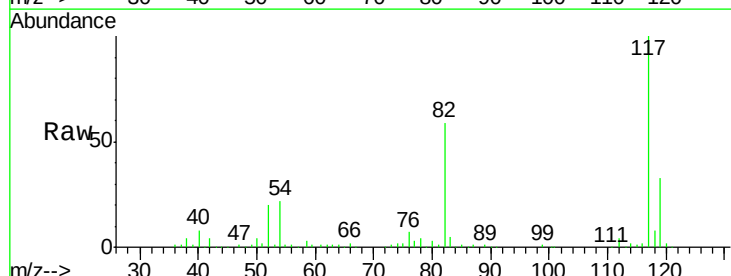
Tgt Ion:117 Resp: 298462

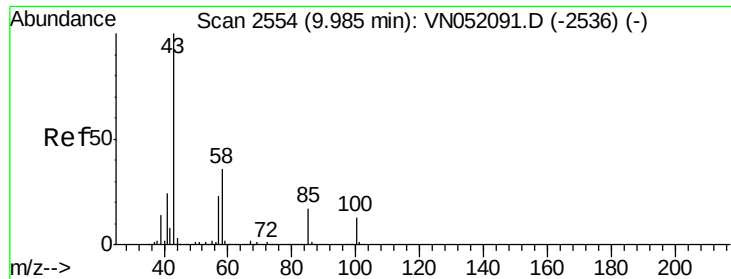
Ion Ratio Lower Upper

117 100

82 56.9 44.1 66.1

119 31.9 25.8 38.8





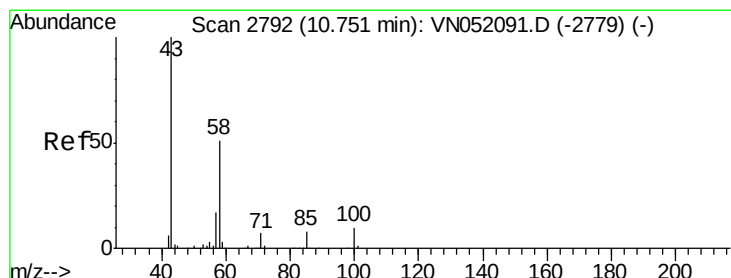
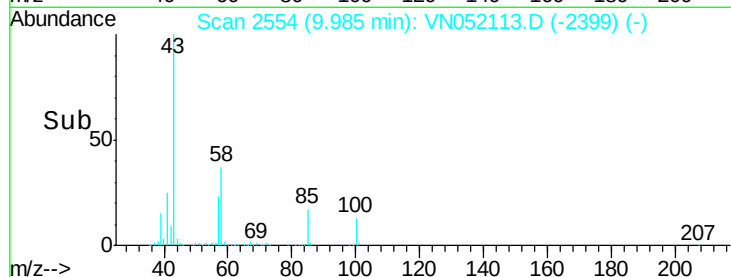
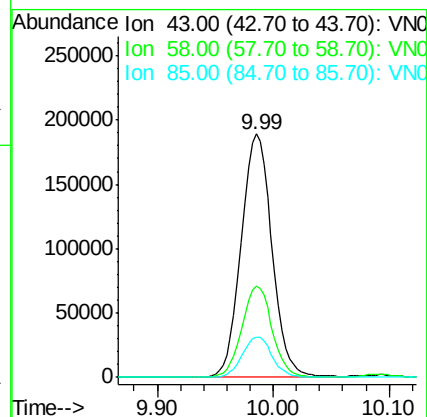
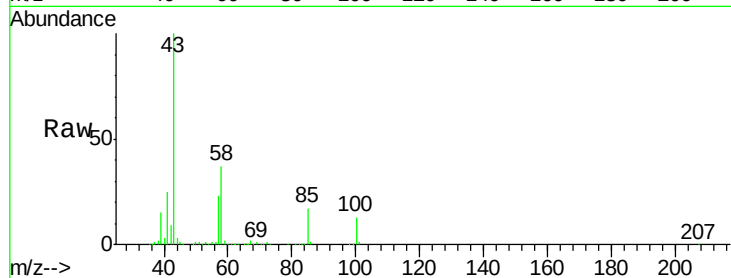
#58
 4-Methyl-2-Pentanone
 Concen: 108.757 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN052113.D
 Acq: 1 Nov 2018 19:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.0	29.3	43.9
85	16.2	12.6	18.8

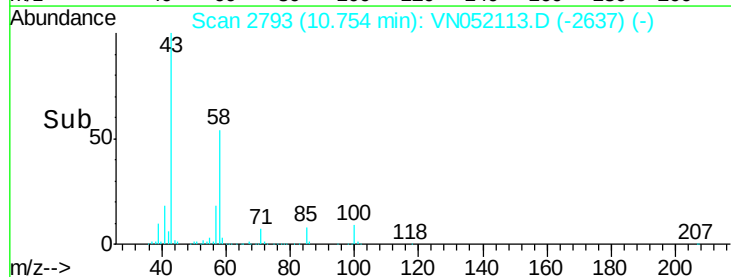
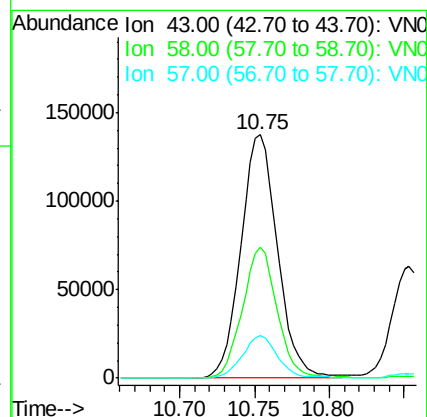
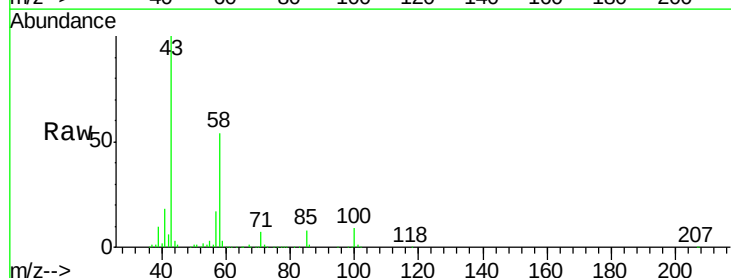
Manual Integrations
 APPROVED

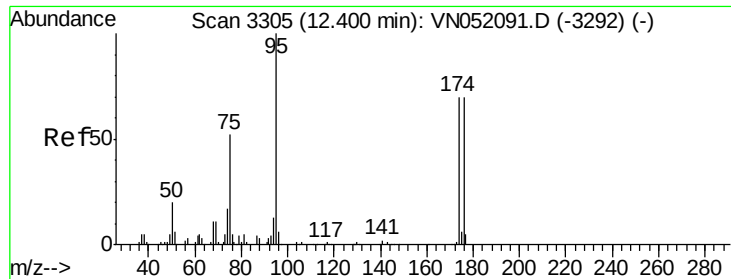
MMDadoda
 11/2/2018 9:21:45 AM



#59
 2-Hexanone
 Concen: 105.797 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.00 min
 Lab File: VN052113.D
 Acq: 1 Nov 2018 19:49

Tgt Ion	Ratio	Lower	Upper
43	100		
58	51.0	41.3	61.9
57	17.0	13.4	20.0





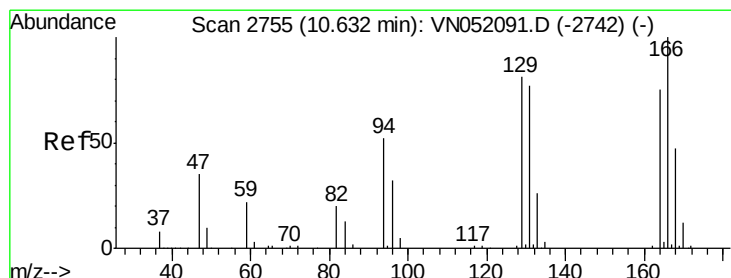
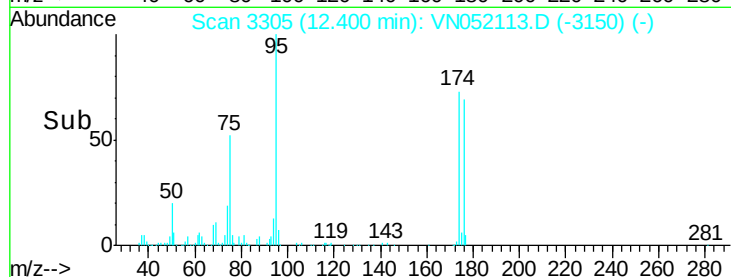
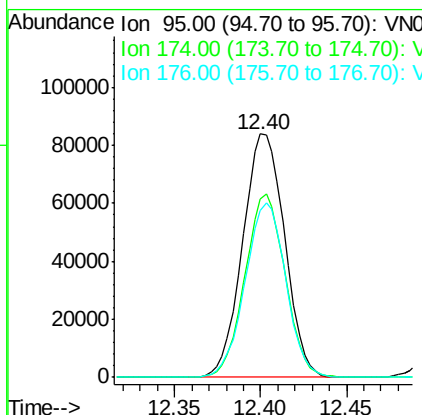
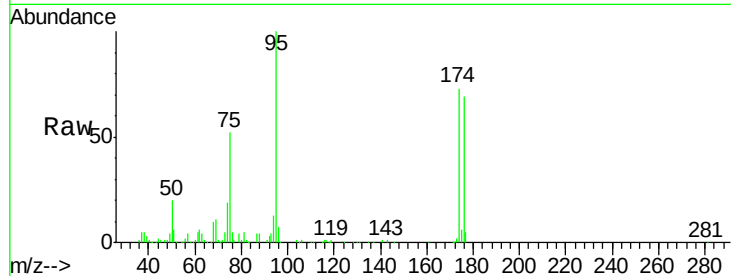
#60
4-Bromofluorobenzene
Concen: 105.797 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052113.D
Acq: 1 Nov 2018 19:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.0	73.5	110.3#
176	69.3	70.2	105.2#

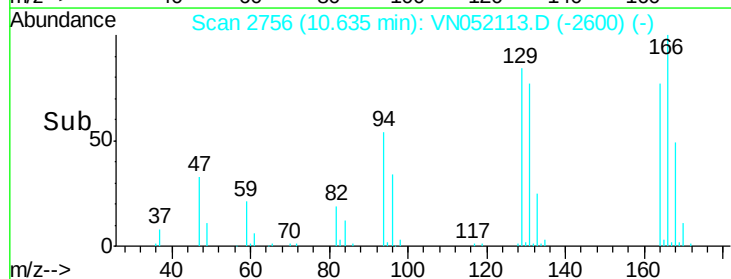
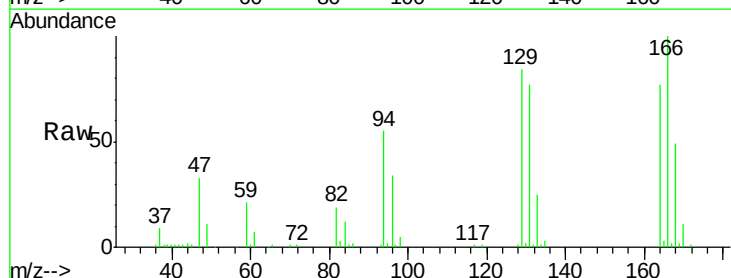
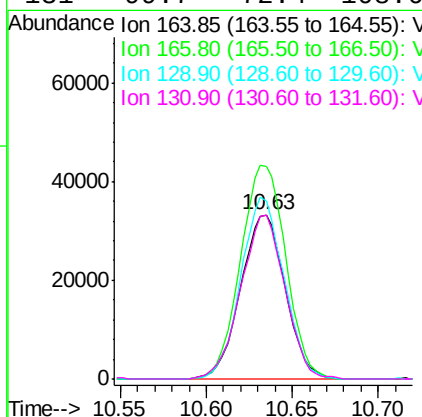
Manual Integrations
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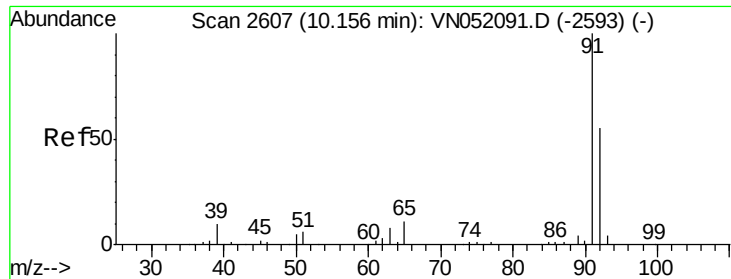
MMDadoda
11/2/2018 9:21:45 AM



#61
Tetrachloroethene
Concen: 18.412 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN052113.D
Acq: 1 Nov 2018 19:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.4	98.7	148.1
129	108.5	69.6	104.4#
131	99.7	72.4	108.6





#62

Toluene

Concen: 19.819 ug/l

RT: 10.16 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN052113.D

Acq: 1 Nov 2018 19:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 91 Resp: 332051

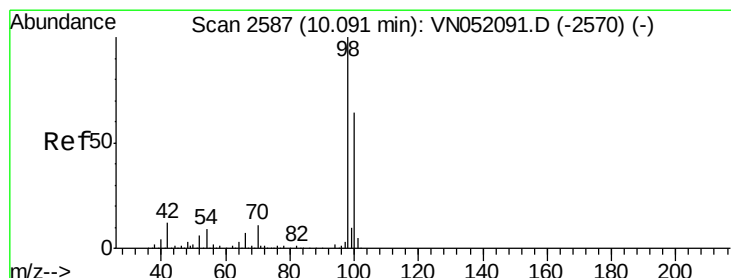
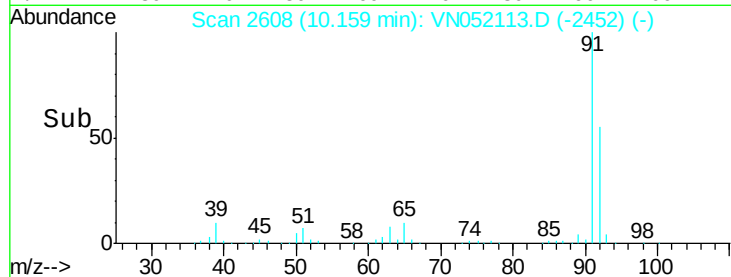
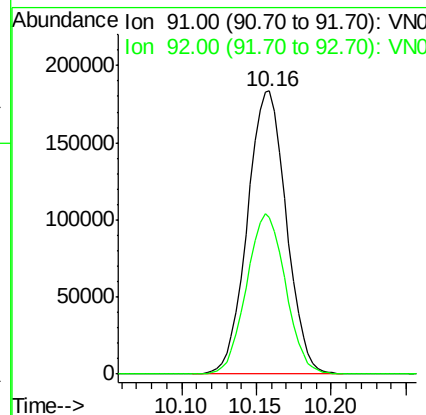
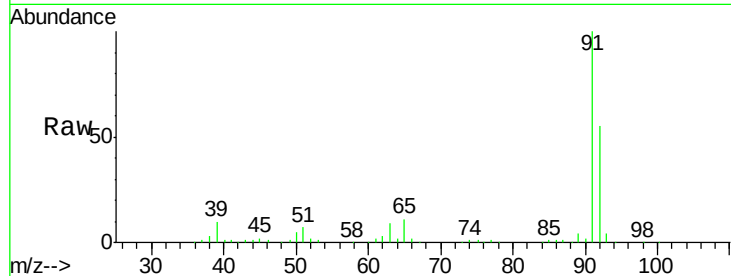
Ion Ratio Lower Upper

91 100

92 56.9 44.6 66.8

Manual Integrations
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11/2/2018 9:21:45 AM



#63

Toluene-d8

Concen: 19.819 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052113.D

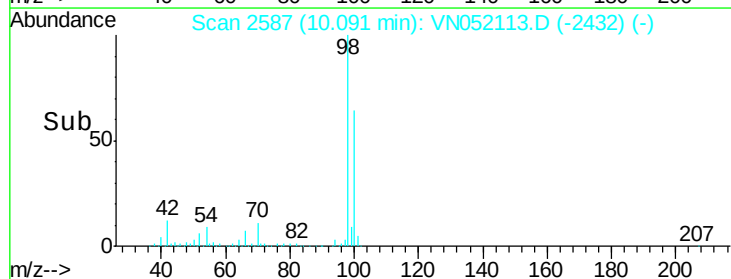
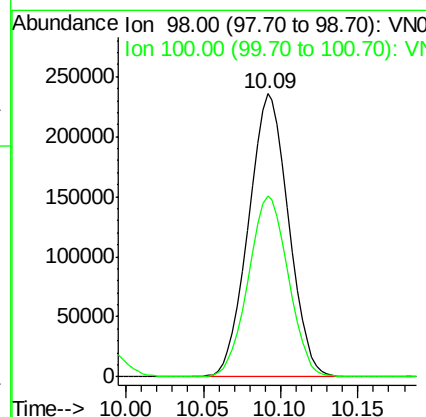
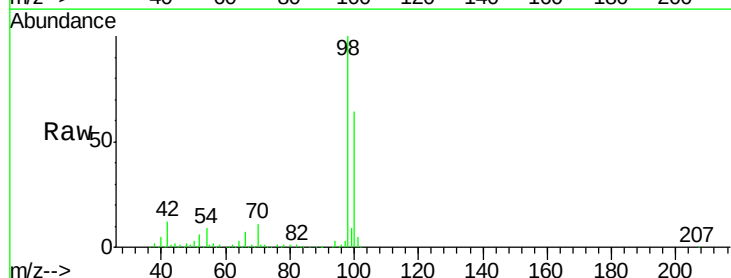
Acq: 1 Nov 2018 19:49

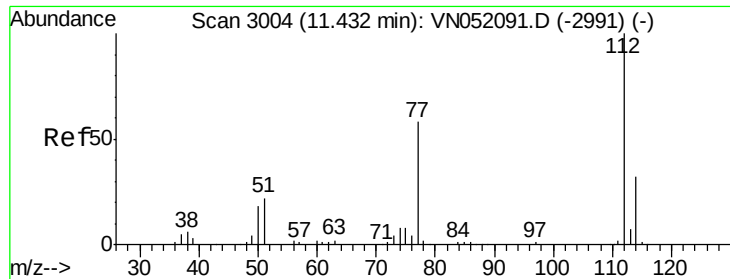
Tgt Ion: 98 Resp: 425342

Ion Ratio Lower Upper

98 100

100 63.9 50.8 76.2





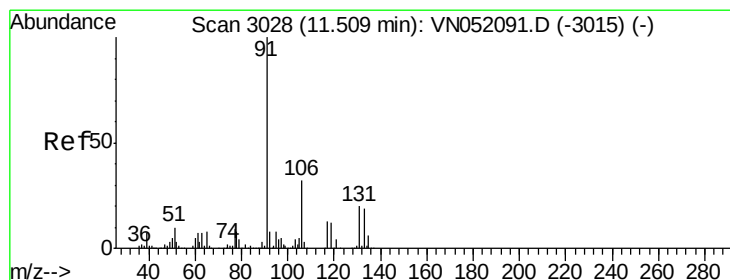
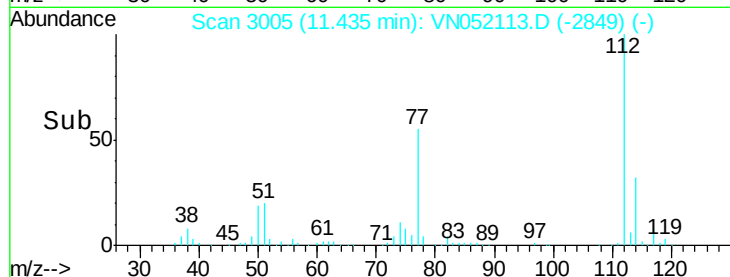
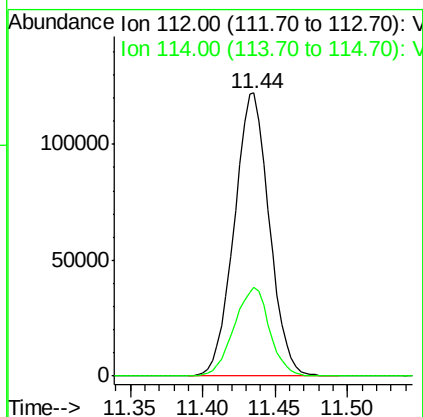
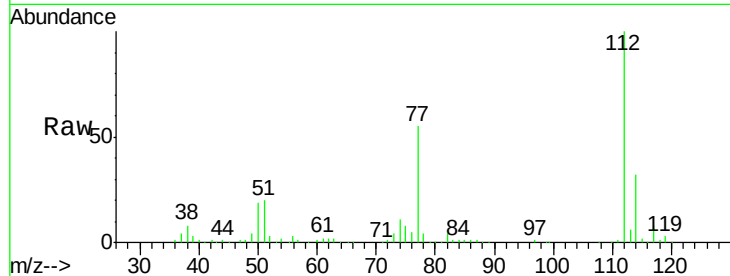
#64
Chlorobenzene
Concen: 19.313 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN052113.D
Acq: 1 Nov 2018 19:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:112 Resp: 205081
Ion Ratio Lower Upper
112 100
114 31.6 27.5 41.3

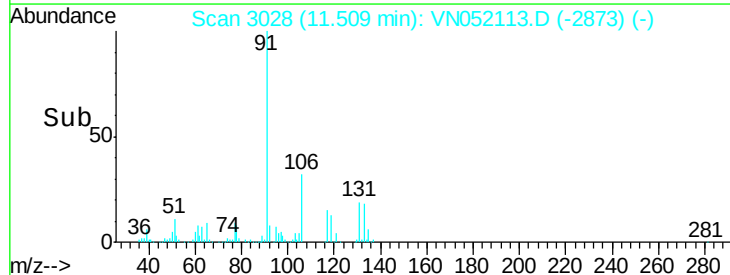
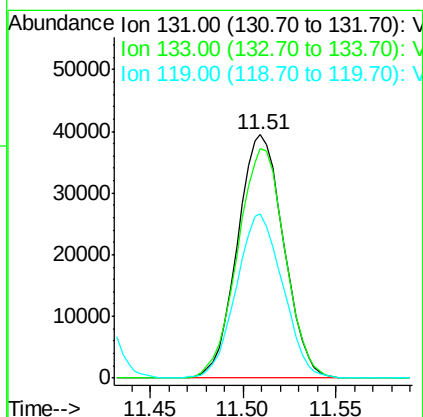
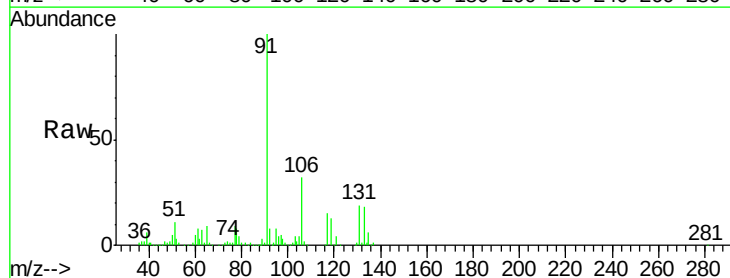
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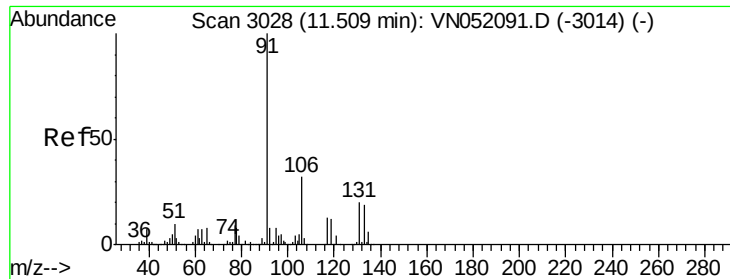
MMDadoda
11/2/2018 9:21:45 AM



#65
1,1,1,2-Tetrachloroethane
Concen: 18.937 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052113.D
Acq: 1 Nov 2018 19:49

Tgt Ion:131 Resp: 68441
Ion Ratio Lower Upper
131 100
133 96.3 0.0 190.4
119 67.7 0.0 128.0





#66

Ethyl Benzene

Concen: 19.038 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052113.D

Acq: 1 Nov 2018 19:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 91 Resp: 344543

Ion Ratio Lower Upper

91 100

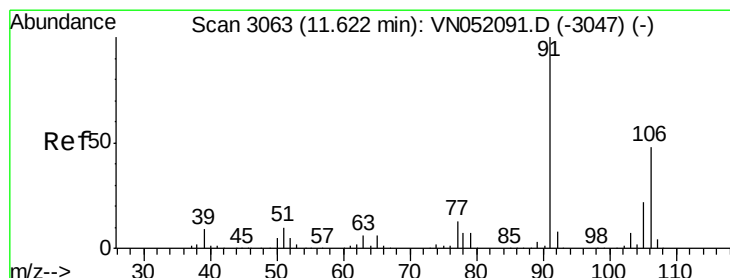
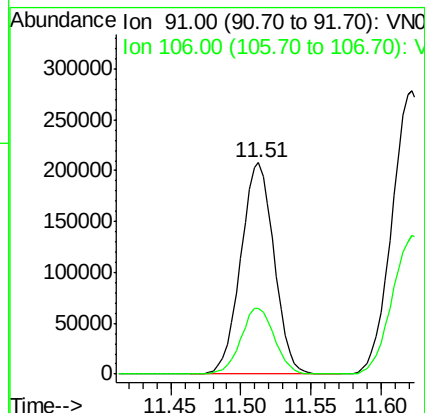
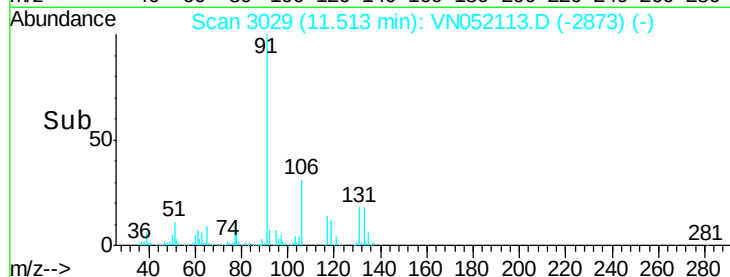
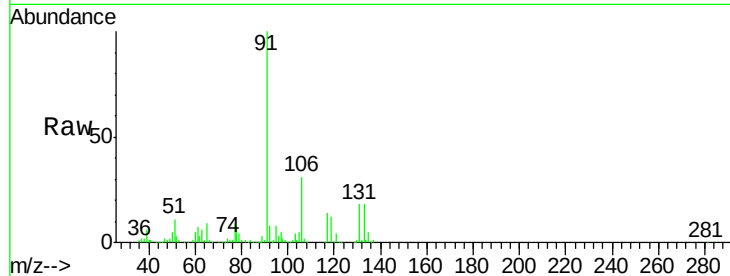
106 31.2 25.9 38.9

Manual Integrations

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#67

m/p-Xylenes

Concen: 38.081 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN052113.D

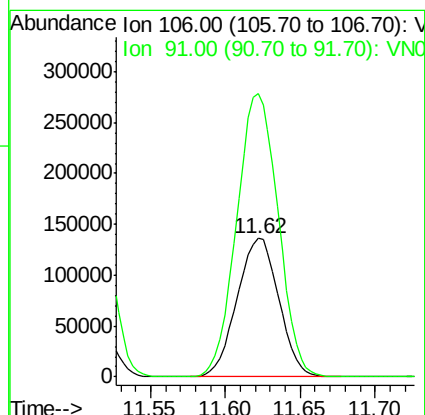
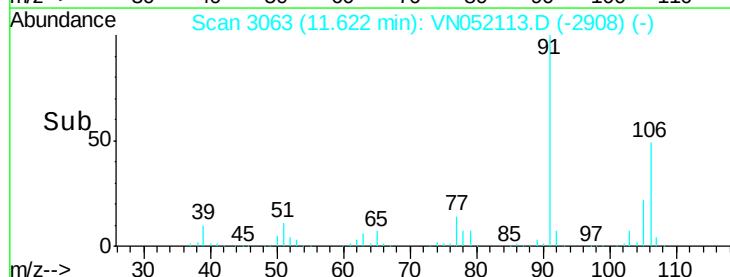
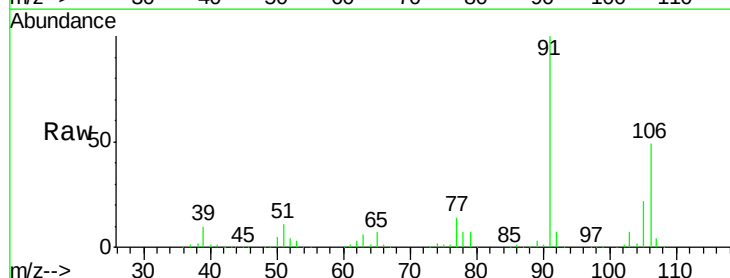
Acq: 1 Nov 2018 19:49

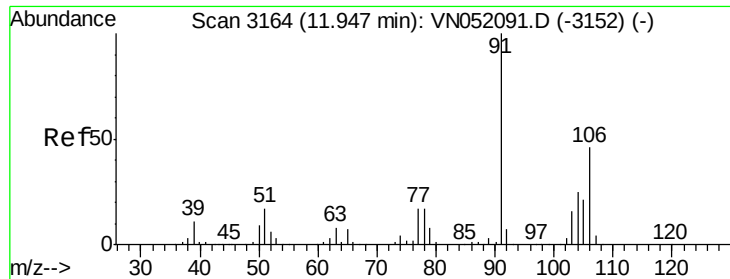
Tgt Ion: 106 Resp: 265329

Ion Ratio Lower Upper

106 100

91 202.5 158.8 238.2





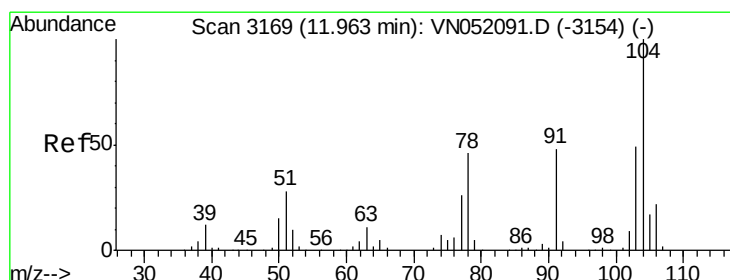
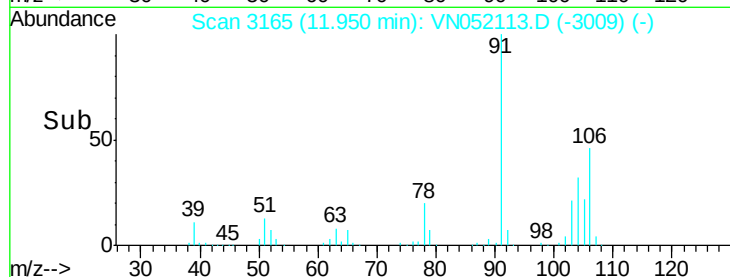
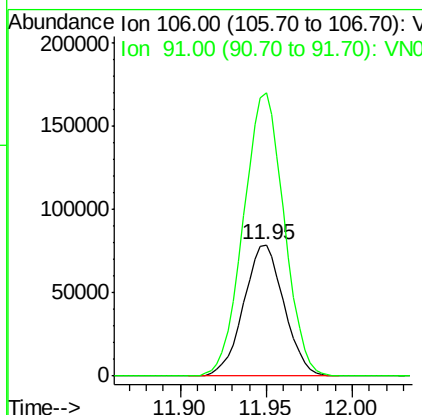
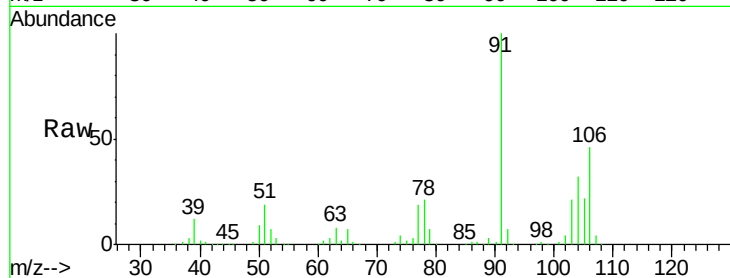
#68
o-Xylene
Concen: 19.326 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052113.D
Acq: 1 Nov 2018 19:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:106 Resp: 128382
Ion Ratio Lower Upper
106 100
91 216.7 111.1 333.3

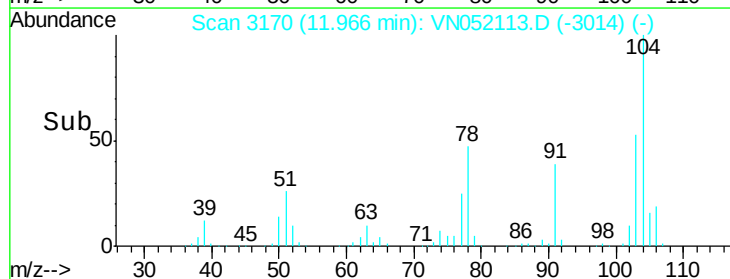
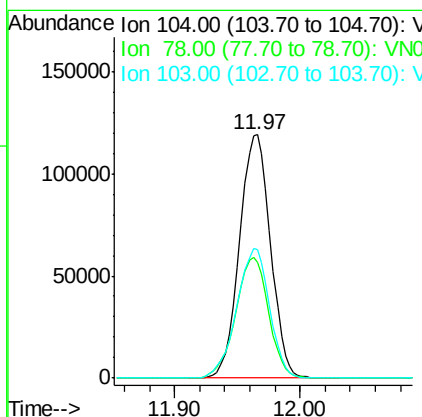
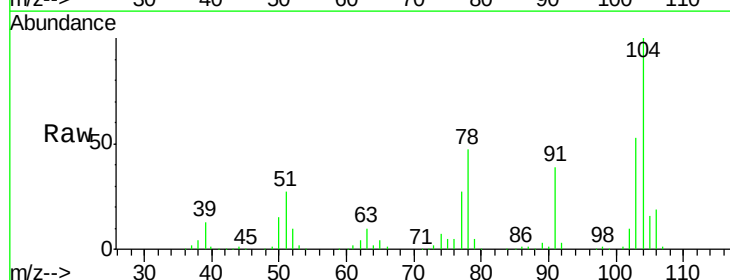
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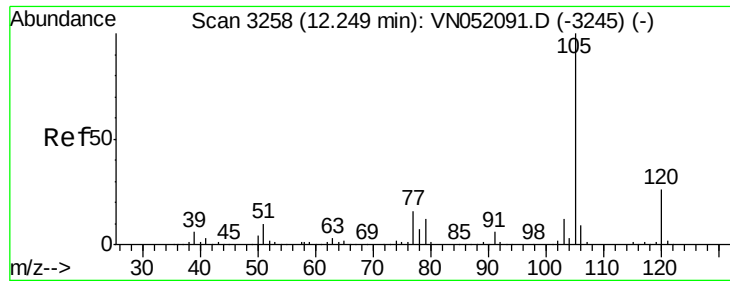
MMDadoda
11/2/2018 9:21:45 AM



#69
Styrene
Concen: 19.171 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN052113.D
Acq: 1 Nov 2018 19:49

Tgt Ion:104 Resp: 205216
Ion Ratio Lower Upper
104 100
78 52.6 40.6 60.8
103 56.3 44.0 66.0





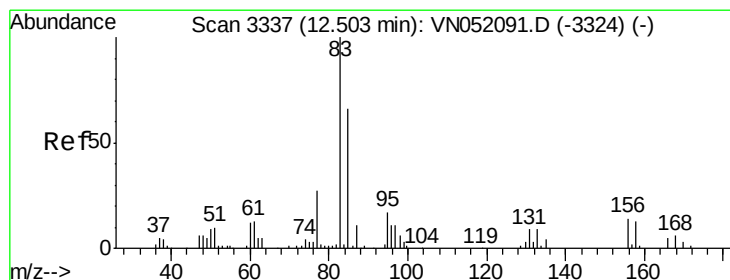
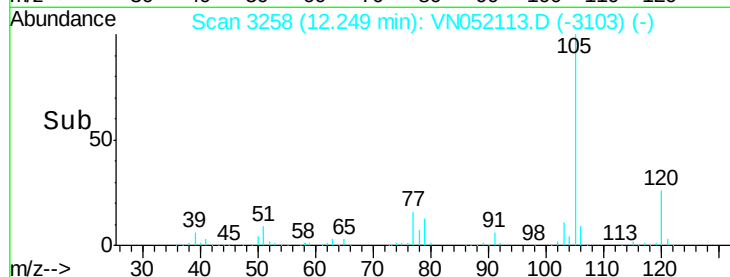
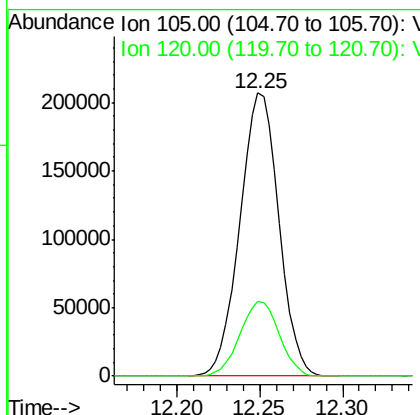
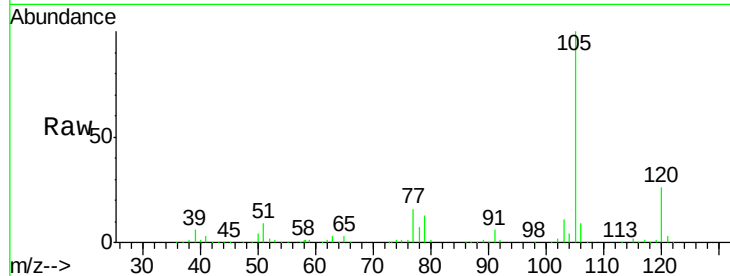
#70
Isopropylbenzene
Concen: 18.972 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN052113.D
Acq: 1 Nov 2018 19:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 105 Resp: 338318
Ion Ratio Lower Upper
105 100
120 26.5 19.0 35.4

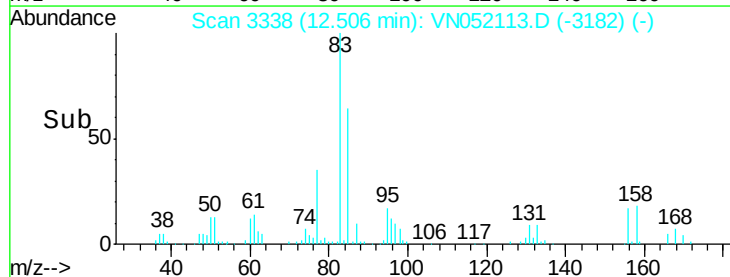
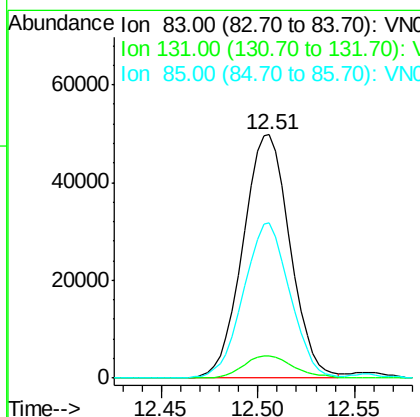
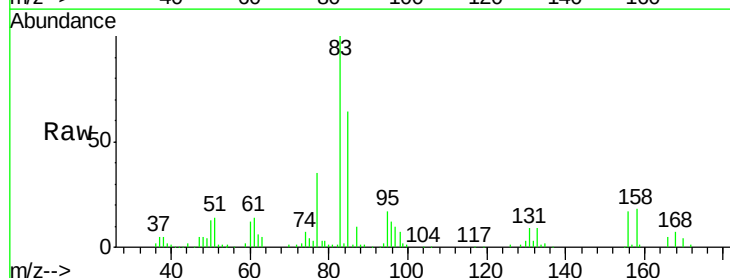
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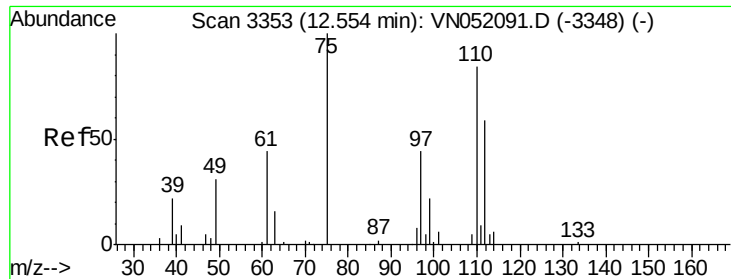
MMDadoda
11/2/2018 9:21:45 AM



#71
1,1,2,2-Tetrachloroethane
Concen: 21.500 ug/l
RT: 12.51 min Scan# 3338
Delta R.T. 0.00 min
Lab File: VN052113.D
Acq: 1 Nov 2018 19:49

Tgt Ion: 83 Resp: 84333
Ion Ratio Lower Upper
83 100
131 9.8 5.5 16.4
85 62.8 30.6 91.8





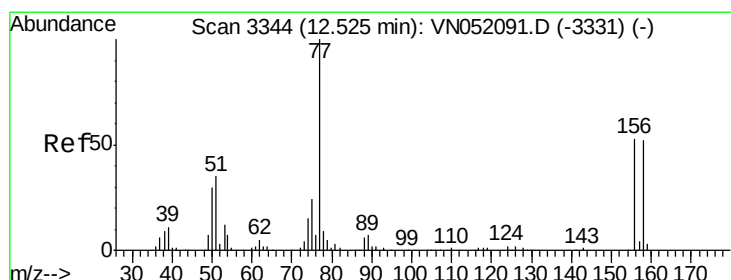
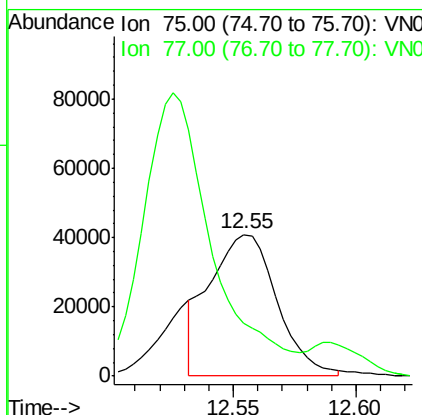
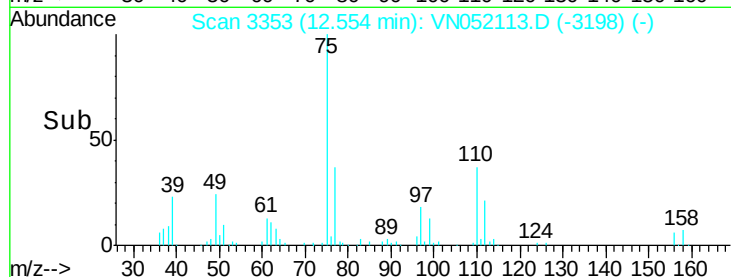
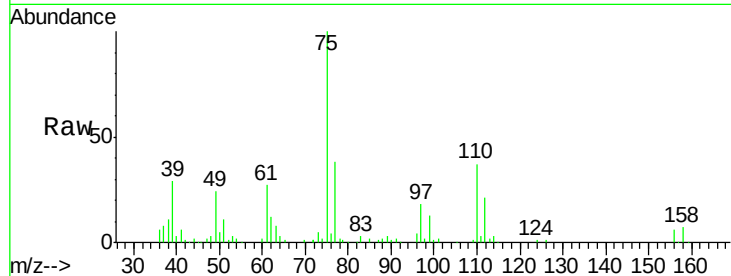
#72
 1,2,3-Trichloropropane
 Concen: 24.202 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052113.D
 Acq: 1 Nov 2018 19:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion: 75 Resp: 77983
 Ion Ratio Lower Upper
 75 100
 77 206.5 0.0 400.0

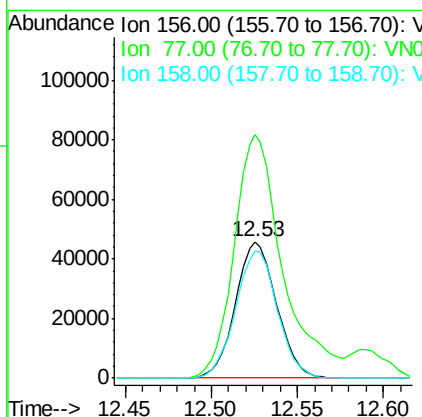
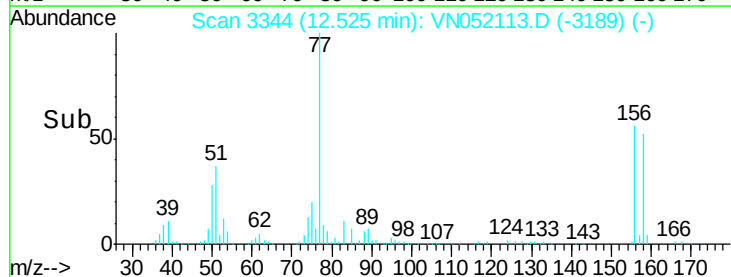
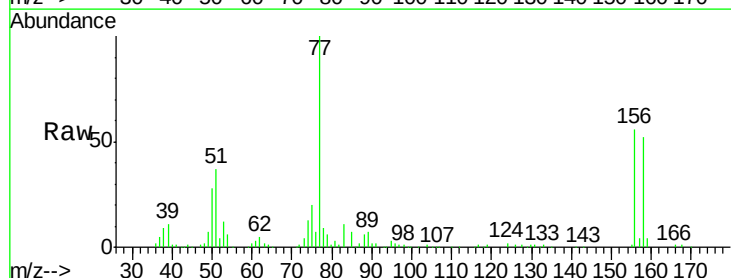
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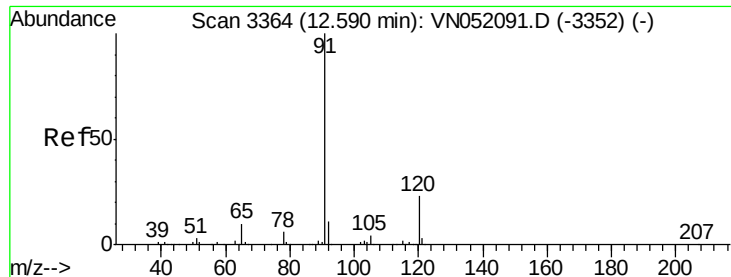
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 11/2/2018 9:21:45 AM



#73
 Bromobenzene
 Concen: 19.295 ug/l
 RT: 12.53 min Scan# 3344
 Delta R.T. -0.00 min
 Lab File: VN052113.D
 Acq: 1 Nov 2018 19:49

Tgt Ion: 156 Resp: 76242
 Ion Ratio Lower Upper
 156 100
 77 211.2 0.0 377.4
 158 94.7 0.0 203.0





#74

n-propylbenzene

Concen: 18.627 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052113.D

Acq: 1 Nov 2018 19:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 91 Resp: 386812

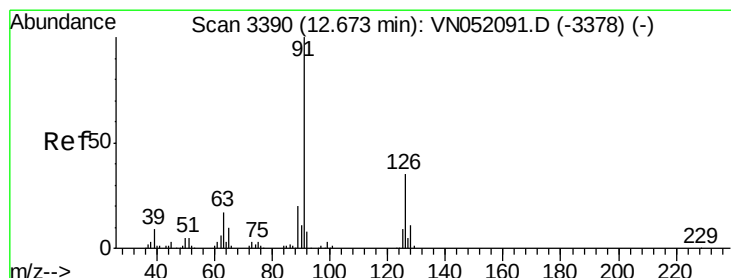
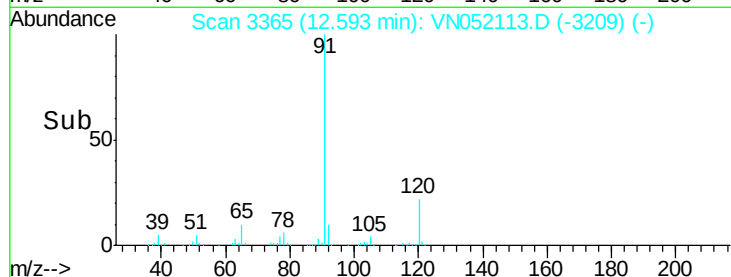
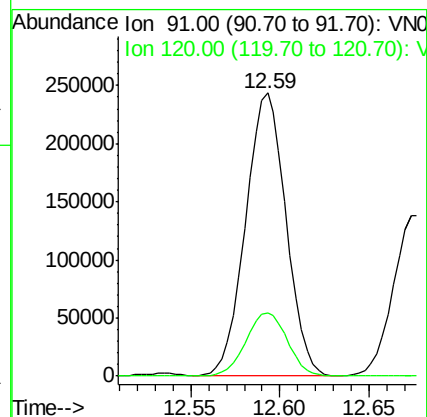
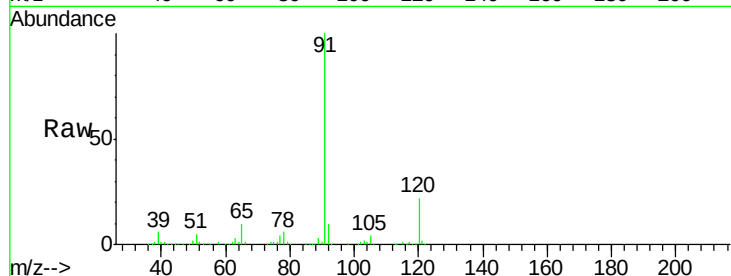
Ion Ratio Lower Upper

91 100

120 23.0 0.0 45.0

Manual Integrations
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11/2/2018 9:21:45 AM



#75

2-Chlorotoluene

Concen: 19.158 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052113.D

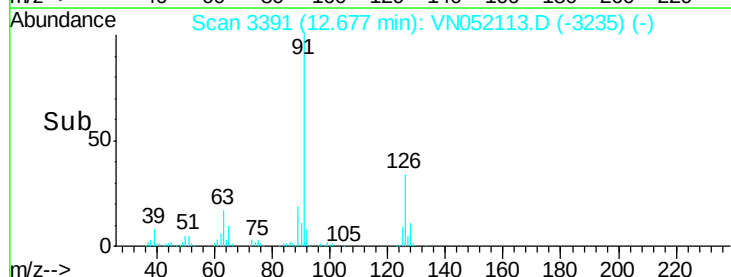
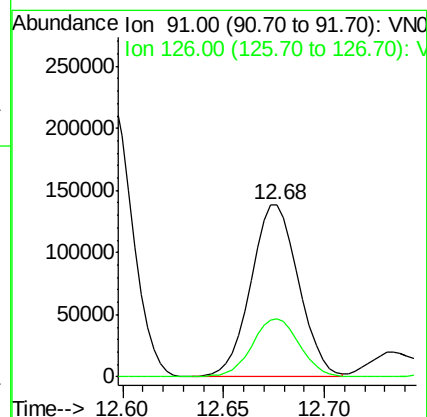
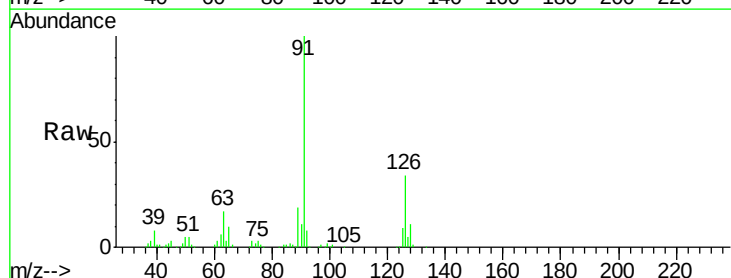
Acq: 1 Nov 2018 19:49

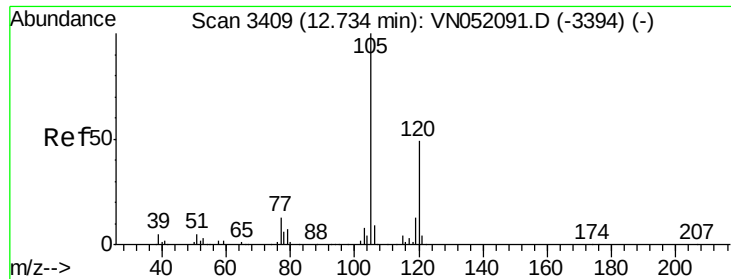
Tgt Ion: 91 Resp: 229366

Ion Ratio Lower Upper

91 100

126 33.5 0.0 67.6





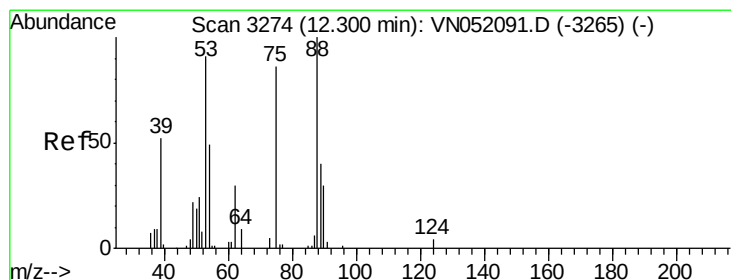
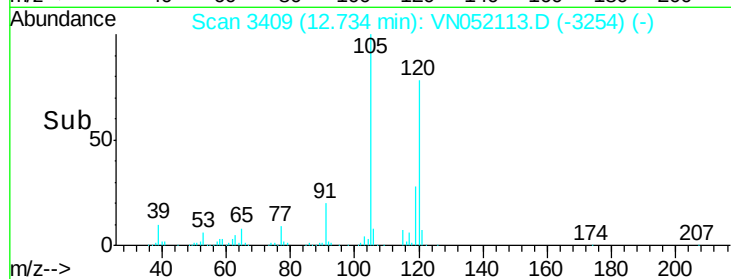
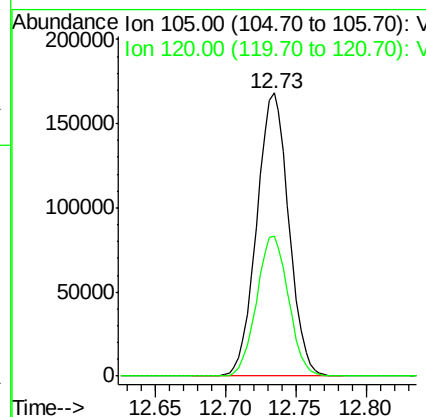
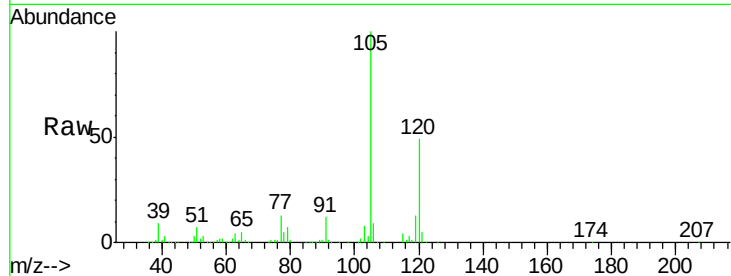
#76
 1,3,5-Trimethylbenzene
 Concen: 18.719 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN052113.D
 Acq: 1 Nov 2018 19:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	267667		
120	49.2	0.0	98.2	

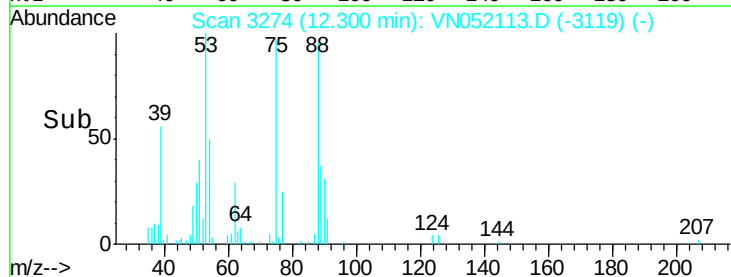
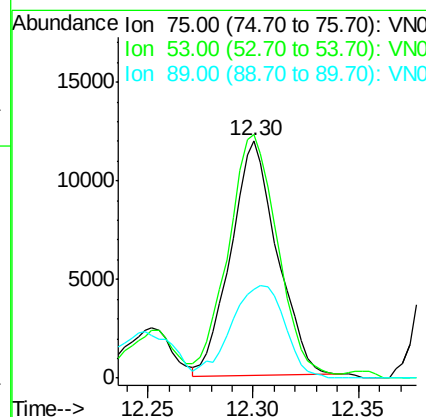
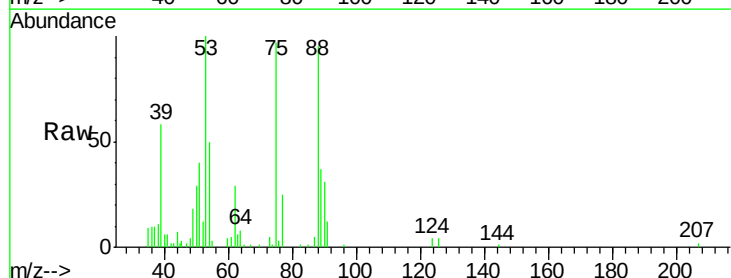
Manual Integrations
 APPROVED

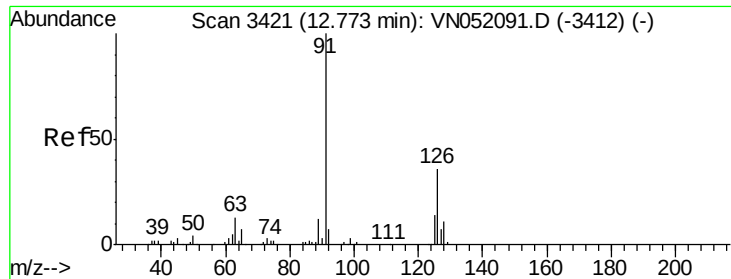
MMDadoda
 11/2/2018 9:21:45 AM



#77
 t-1,4-Dichloro-2-butene
 Concen: 16.774 ug/l
 RT: 12.30 min Scan# 3274
 Delta R.T. -0.00 min
 Lab File: VN052113.D
 Acq: 1 Nov 2018 19:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18101		
53	102.5	46.3	138.9	
89	38.3	24.6	73.8	





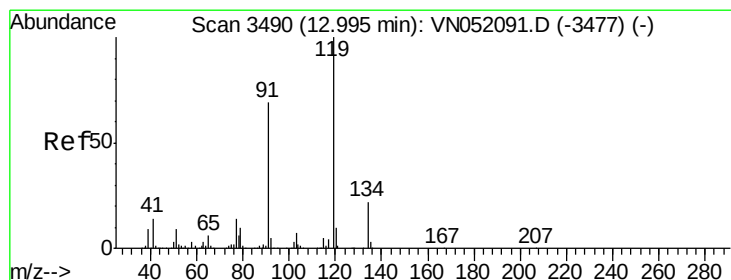
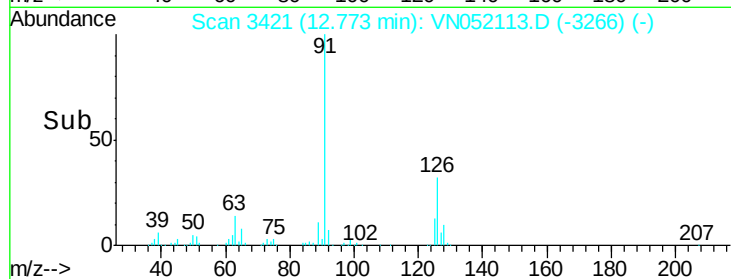
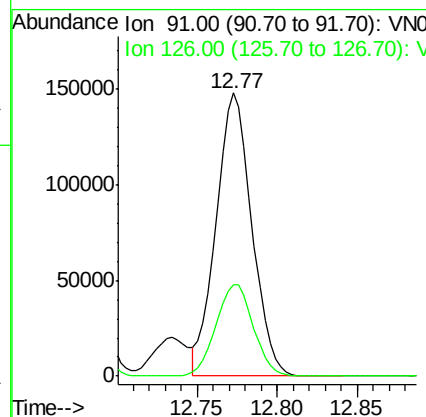
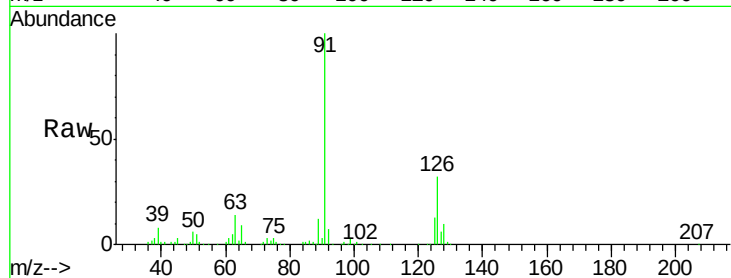
#78
4-Chlorotoluene
Concen: 18.945 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052113.D
Acq: 1 Nov 2018 19:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 91 Resp: 228409
Ion Ratio Lower Upper
91 100
126 33.8 0.0 65.2

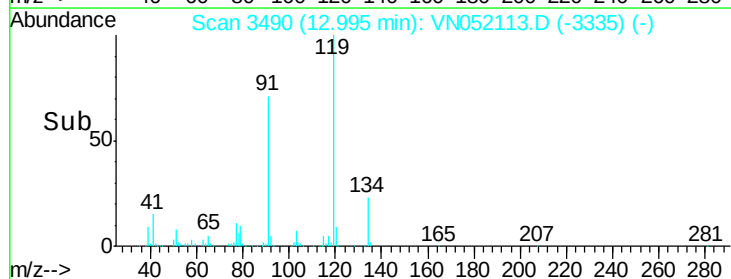
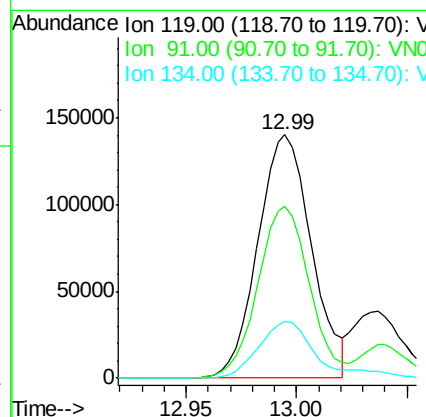
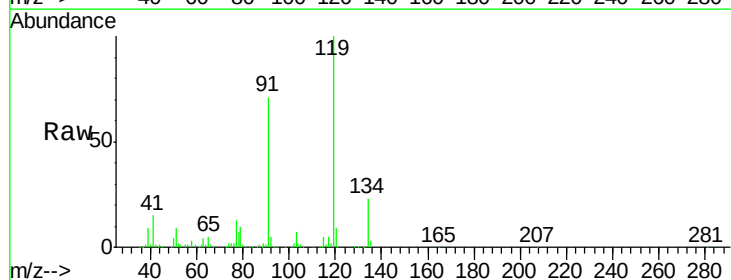
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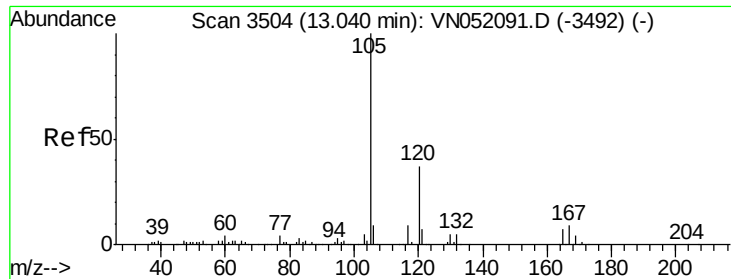
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#79
tert-butylbenzene
Concen: 18.955 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN052113.D
Acq: 1 Nov 2018 19:49

Tgt Ion: 119 Resp: 236110
Ion Ratio Lower Upper
119 100
91 68.3 0.0 131.6
134 25.3 0.0 46.2





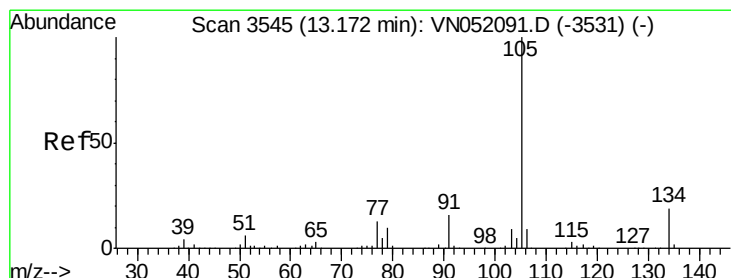
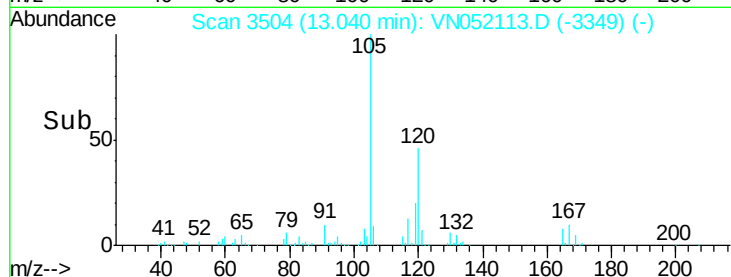
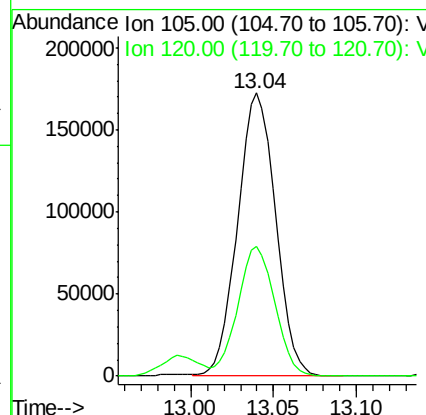
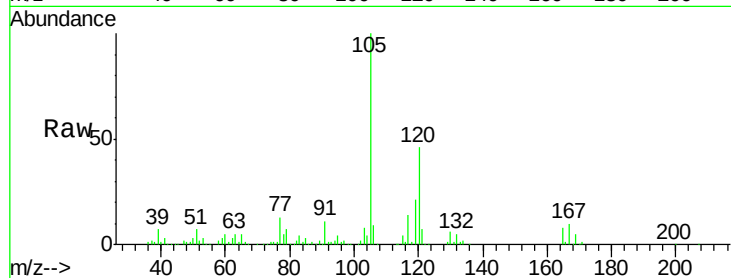
#80
 1,2,4-Trimethylbenzene
 Concen: 19.332 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052113.D
 Acq: 1 Nov 2018 19:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	0.0	89.6

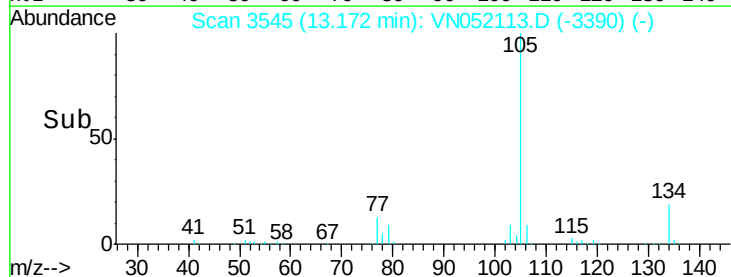
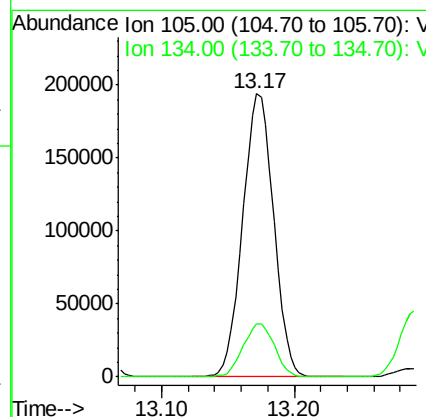
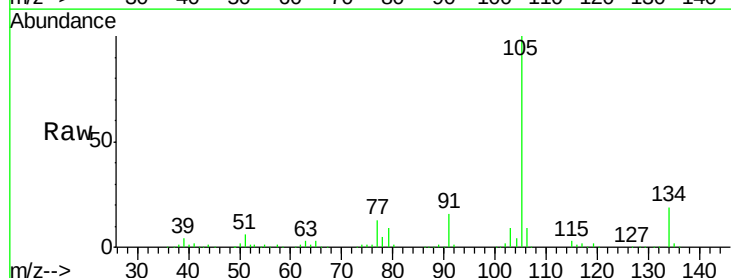
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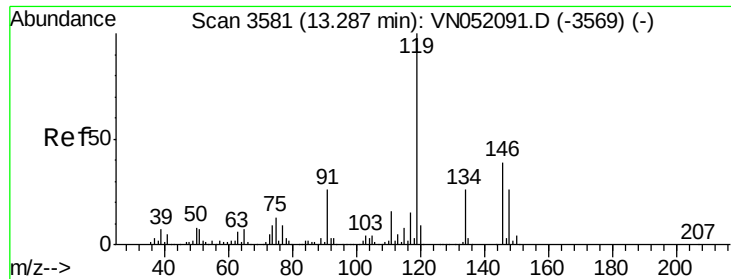
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#81
 sec-Butylbenzene
 Concen: 18.349 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052113.D
 Acq: 1 Nov 2018 19:49

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.0	0.0	39.4





#82

p-Isopropyltoluene

Concen: 18.100 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052113.D

Acq: 1 Nov 2018 19:49

Instrument :

MSVOA_N

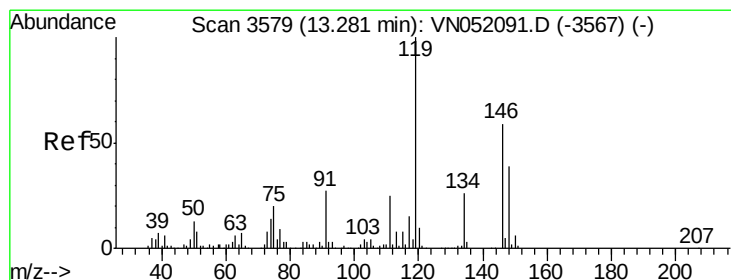
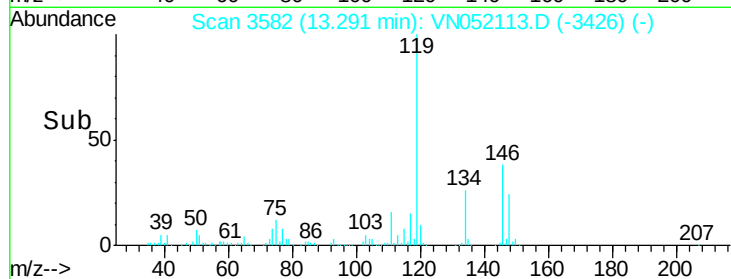
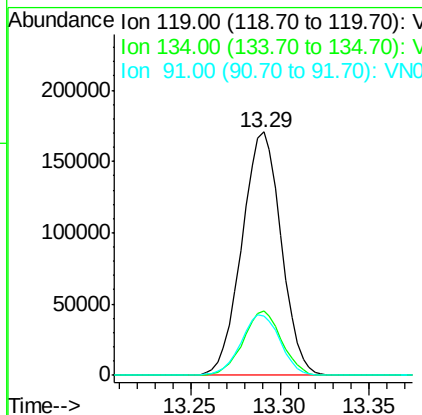
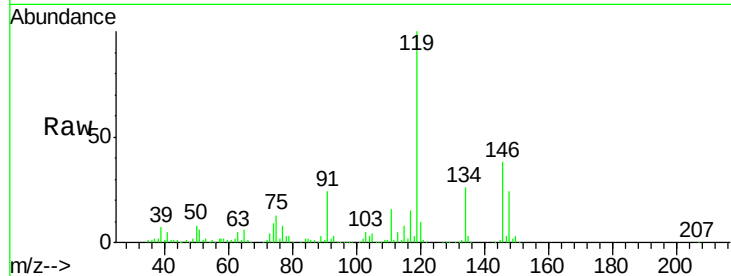
ClientSampleId :

VSTDCCC020EC

Tgt Ion:	119	Resp:	262207
Ion Ratio	Lower	Upper	
119	100		
134	25.9	0.0	53.6
91	24.9	0.0	52.0

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#83

1,3-Dichlorobenzene

Concen: 18.711 ug/l

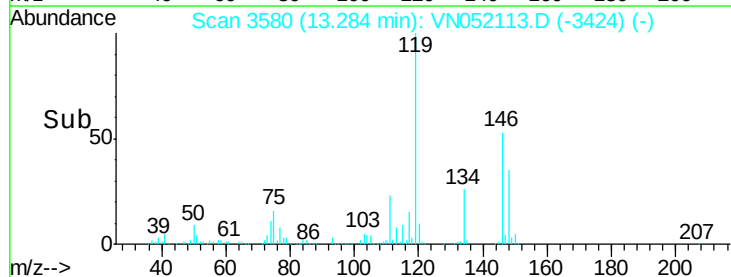
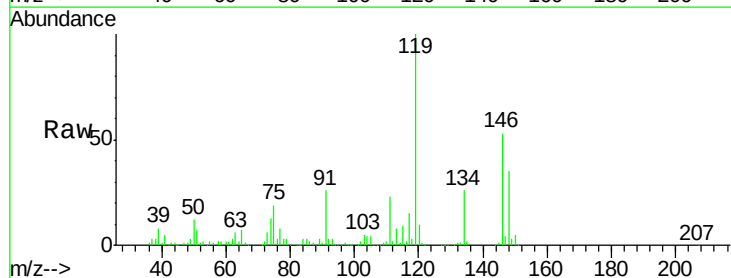
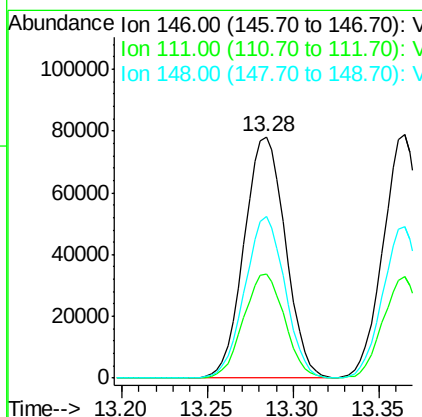
RT: 13.28 min Scan# 3580

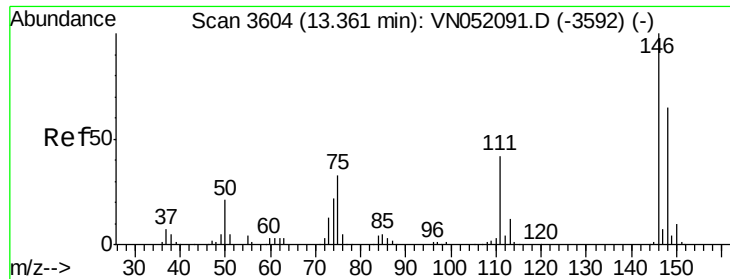
Delta R.T. 0.00 min

Lab File: VN052113.D

Acq: 1 Nov 2018 19:49

Tgt Ion:	146	Resp:	130780
Ion Ratio	Lower	Upper	
146	100		
111	42.8	18.1	54.3
148	64.9	31.3	93.8





#84

1,4-Dichlorobenzene

Concen: 18.262 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN052113.D

Acq: 1 Nov 2018 19:49

Instrument :

MSVOA_N

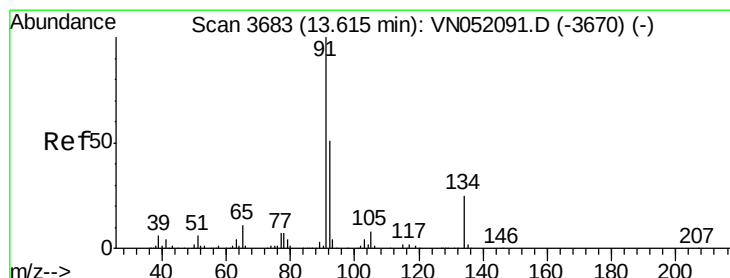
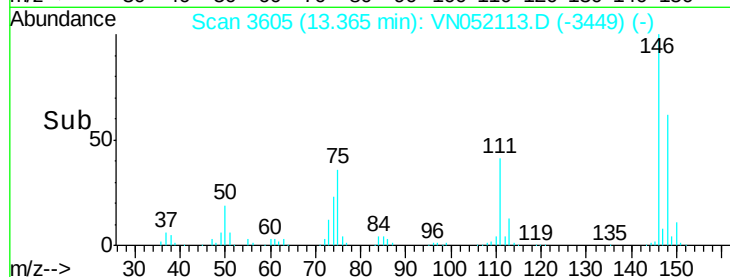
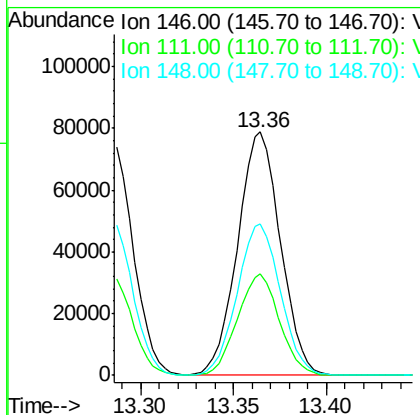
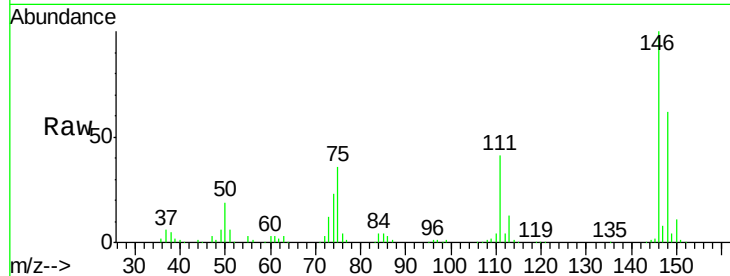
ClientSampleId :

VSTDCCC020EC

Tgt Ion:	146	Resp:	126357
Ion Ratio	Lower	Upper	
146	100		
111	40.5	17.4	52.2
148	62.7	32.8	98.3

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#85

n-Butylbenzene

Concen: 17.146 ug/l

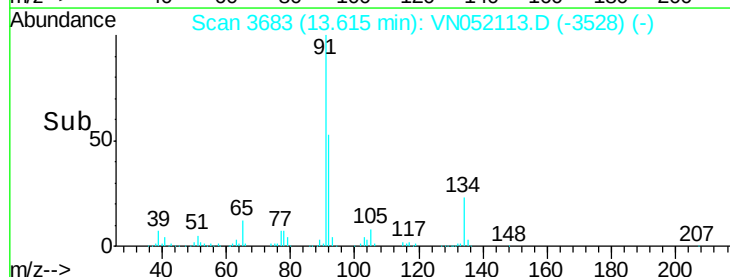
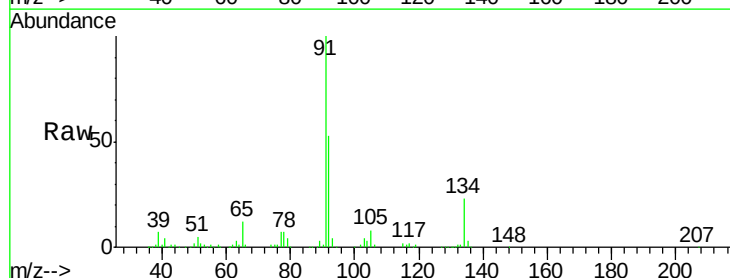
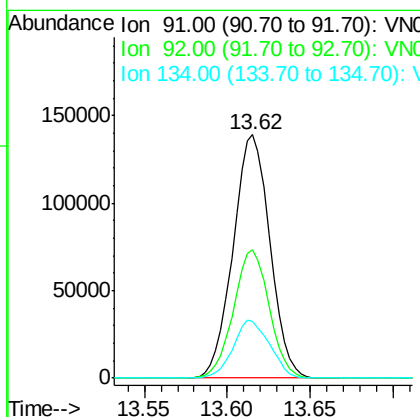
RT: 13.62 min Scan# 3683

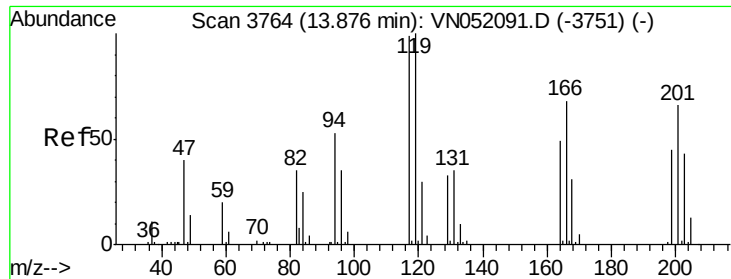
Delta R.T. -0.00 min

Lab File: VN052113.D

Acq: 1 Nov 2018 19:49

Tgt Ion:	91	Resp:	214984
Ion Ratio	Lower	Upper	
91	100		
92	51.1	0.0	97.4
134	23.6	0.0	49.6





#86

Hexachloroethane

Concen: 17.361 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN052113.D

Acq: 1 Nov 2018 19:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:117 Resp: 42443

Ion Ratio Lower Upper

117 100

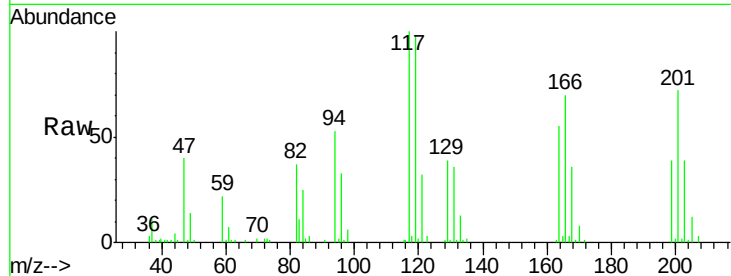
201 68.6 47.8 143.3

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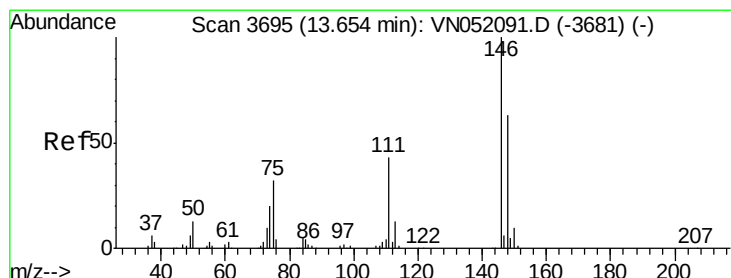
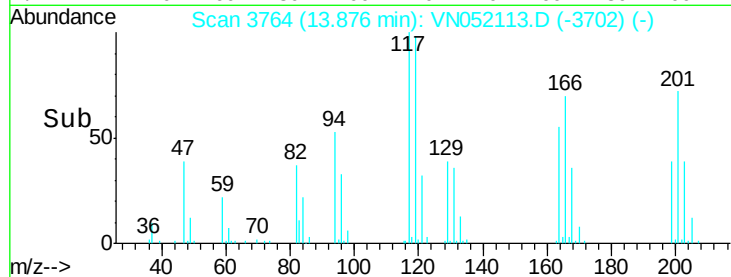
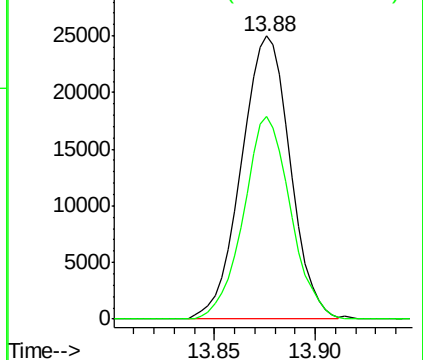
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V



#87

1,2-Dichlorobenzene

Concen: 18.585 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN052113.D

Acq: 1 Nov 2018 19:49

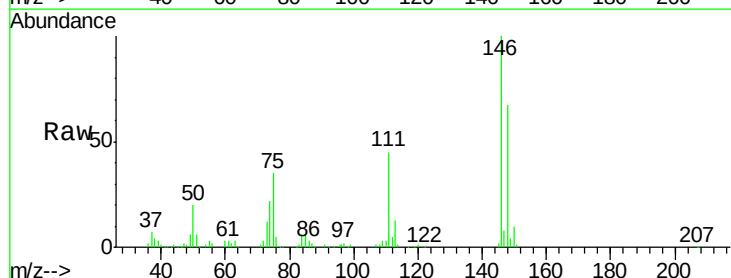
Tgt Ion:146 Resp: 123416

Ion Ratio Lower Upper

146 100

111 45.5 20.8 62.2

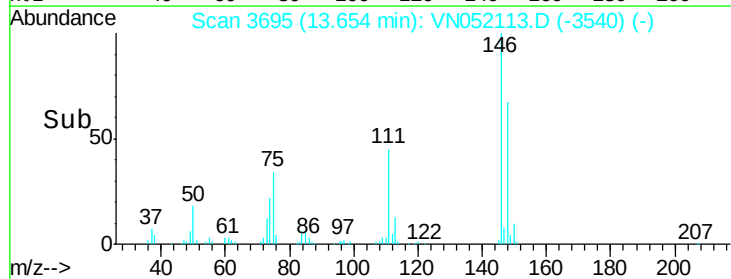
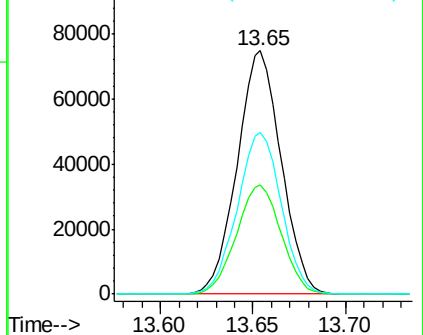
148 66.6 33.2 99.6

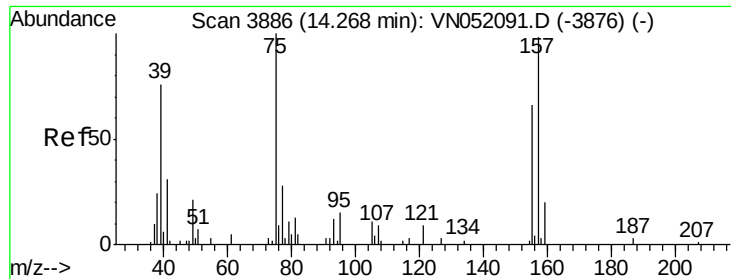


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





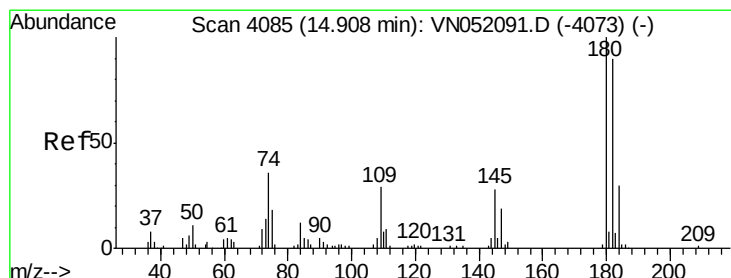
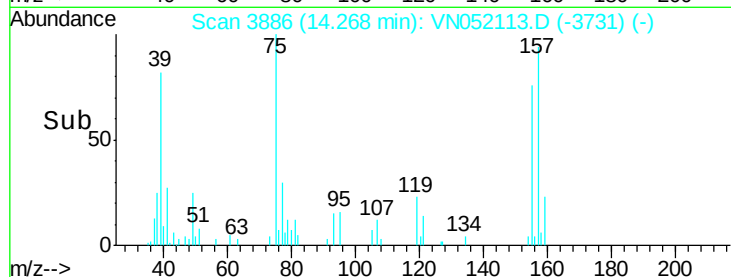
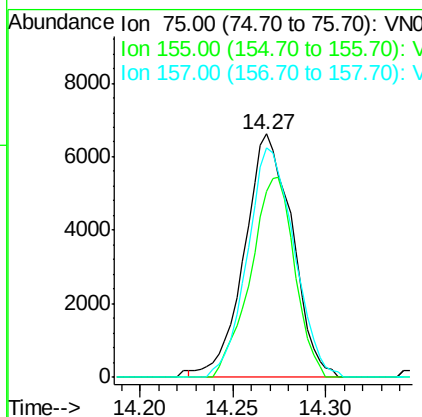
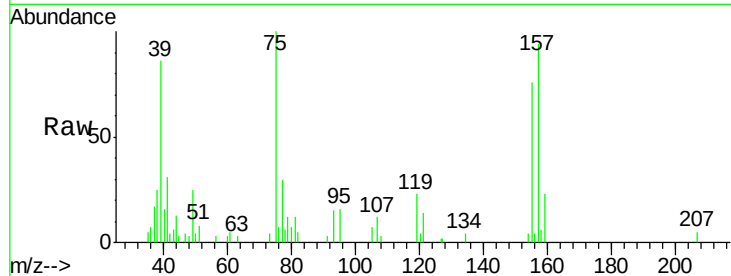
#88
 1,2-Dibromo-3-Chloropropane
 Concen: 22.150 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN052113.D
 Acq: 1 Nov 2018 19:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion: 75 Resp: 11880
 Ion Ratio Lower Upper
 75 100
 155 75.3 57.0 85.6
 157 92.3 87.4 131.0

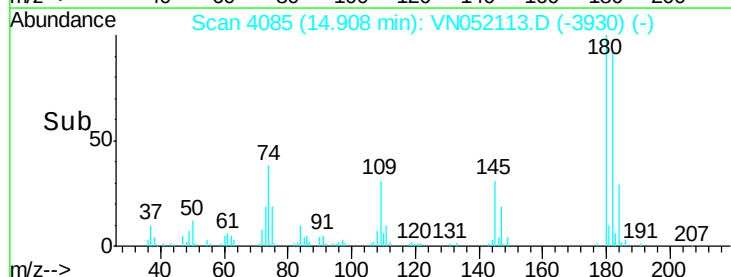
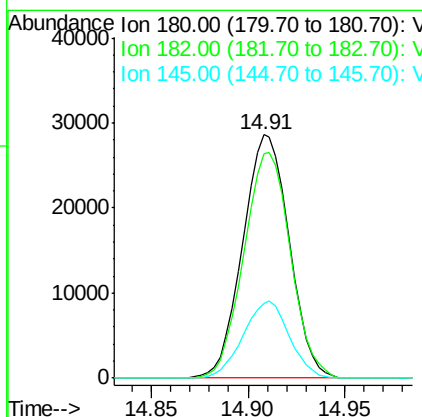
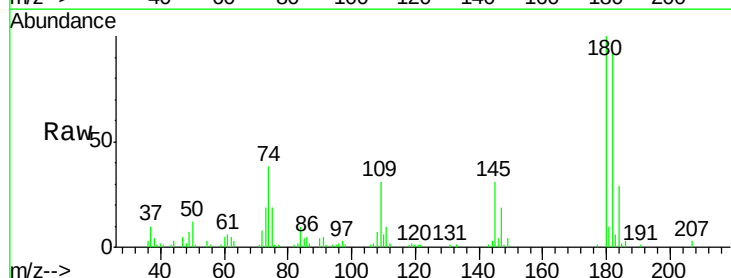
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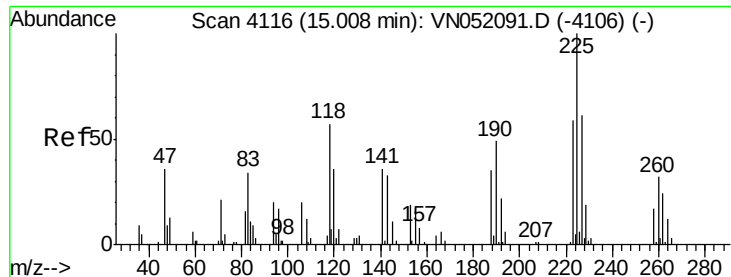
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#89
 1,2,4-Trichlorobenzene
 Concen: 19.191 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052113.D
 Acq: 1 Nov 2018 19:49

Tgt Ion: 180 Resp: 47914
 Ion Ratio Lower Upper
 180 100
 182 92.8 77.7 116.5
 145 31.2 23.4 35.2





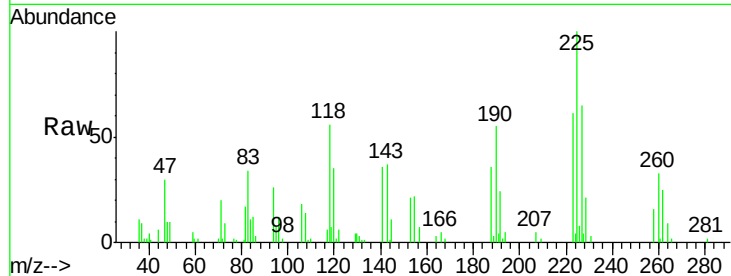
#90
Hexachlorobutadiene
Concen: 16.773 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN052113.D
Acq: 1 Nov 2018 19:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	24737		
223	63.1	0.0	117.0	
227	62.4	0.0	127.0	

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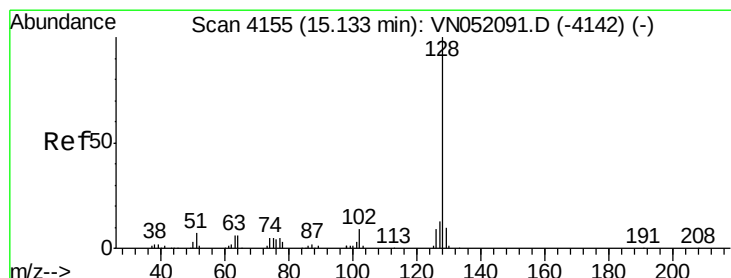
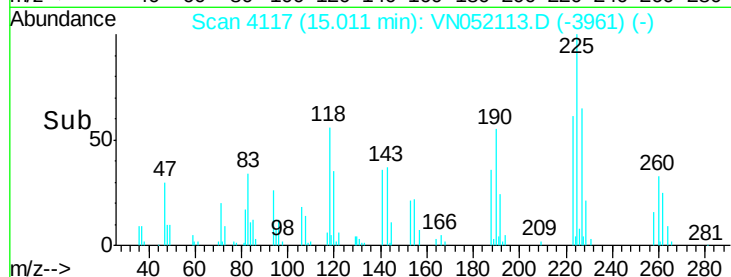
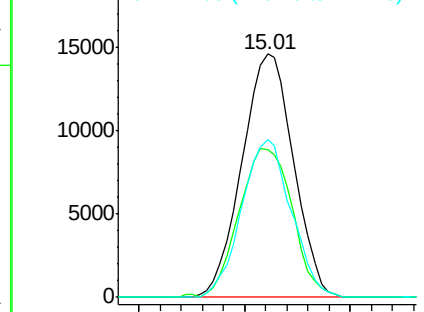


Abundance

Ion 225.00 (224.70 to 225.70): V

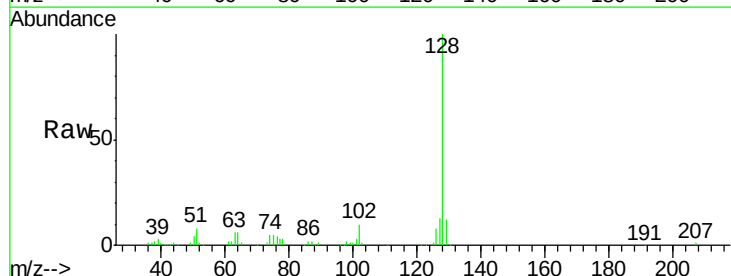
Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#91
Naphthalene
Concen: 20.884 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052113.D
Acq: 1 Nov 2018 19:49

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	122837		
127	13.8	10.1	15.1	
129	11.5	8.4	12.6	

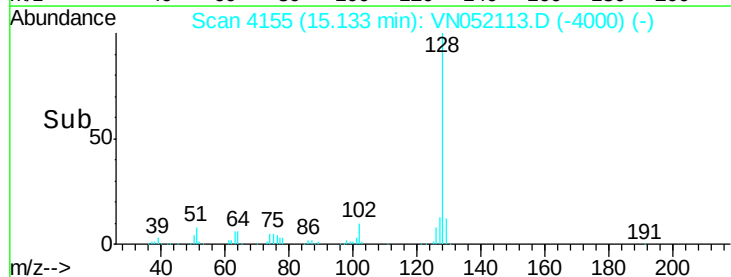
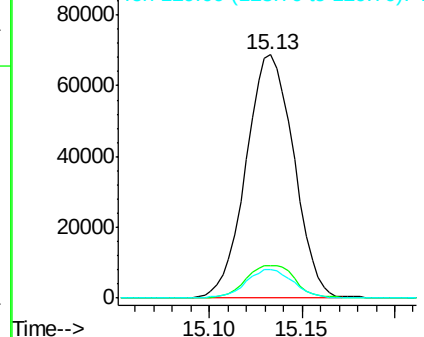


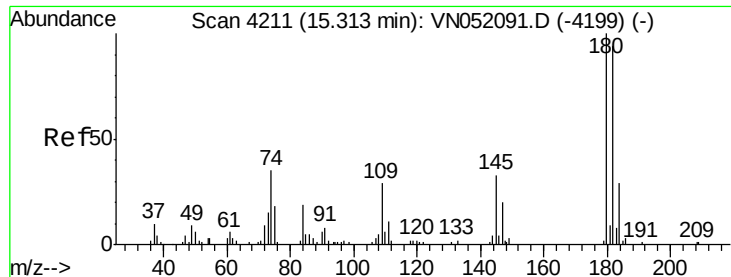
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#92
 1,2,3-Trichlorobenzene
 Concen: 17.839 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: VN052113.D
 Acq: 1 Nov 2018 19:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion:	180	Resp:	41910
Ion Ratio	Lower	Upper	
180	100		
182	97.6	0.0	198.0
145	35.2	0.0	36.8

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