

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012219\
 Data File : VN053508.D
 Acq On : 22 Jan 2019 10:09
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/23/2019 11:00:34 AM

Quant Time: Jan 23 03:00:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	803529	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1168199	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1039113	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	527174	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	370496	46.65	ug/l	0.00
Spiked Amount			Recovery	=	93.30%	
35) Dibromofluoromethane	7.59	113	343282	51.49	ug/l	0.00
Spiked Amount			Recovery	=	102.98%	
50) Toluene-d8	10.09	98	1400829	49.68	ug/l	0.00
Spiked Amount			Recovery	=	99.36%	
62) 4-Bromofluorobenzene	12.40	95	481152	48.66	ug/l	0.00
Spiked Amount			Recovery	=	97.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	318114	49.241	ug/l	100
3) Chloromethane	2.06	50	404575	43.800	ug/l	100
4) Vinyl Chloride	2.19	62	415564	46.673	ug/l	99
5) Bromomethane	2.57	94	294885	48.268	ug/l	98
6) Chloroethane	2.71	64	253100	47.017	ug/l	98
7) Trichlorofluoromethane	3.02	101	591233	50.766	ug/l	100
8) Diethyl Ether	3.41	74	213577	48.827	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	389105	52.755	ug/l	98
10) Methyl Iodide	3.96	142	558549	49.555	ug/l	100
11) Tert butyl alcohol	4.78	59	91478	235.390	ug/l	100
12) 1,1-Dichloroethene	3.74	96	358183	50.068	ug/l	99
13) Acrolein	3.61	56	176215	233.976	ug/l	100
14) Allyl chloride	4.33	41	594563	51.166	ug/l	99
15) Acrylonitrile	4.98	53	575545	225.036	ug/l	100
16) Acetone	3.82	43	453051	243.136	ug/l	98
17) Carbon Disulfide	4.06	76	1024885	47.374	ug/l	100
18) Methyl Acetate	4.32	43	276743	44.082	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	919807	48.390	ug/l	100
20) Methylene Chloride	4.55	84	403523	47.433	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	385052	50.345	ug/l	100
22) Diisopropyl ether	5.95	45	1235707	50.939	ug/l	99
23) Vinyl Acetate	5.89	43	3648638	244.678	ug/l	100
24) 1,1-Dichloroethane	5.85	63	730829	50.962	ug/l	99
25) 2-Butanone	6.83	43	647709	225.568	ug/l	99
26) 2,2-Dichloropropane	6.82	77	568598	52.514	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	446580	51.061	ug/l	99
28) Bromochloromethane	7.19	49	274514	43.452	ug/l	100
29) Tetrahydrofuran	7.21	42	401853	214.972	ug/l	99
30) Chloroform	7.37	83	716386	51.272	ug/l	100
31) Cyclohexane	7.65	56	689968	49.436	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	606403	51.162	ug/l	100
36) 1,1-Dichloropropene	7.79	75	562074	52.832	ug/l	99
37) Ethyl Acetate	6.92	43	273401	44.667	ug/l	99
38) Carbon Tetrachloride	7.77	117	546081	54.216	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	725624	55.182	ug/l	99
40) Benzene	8.04	78	1675934	51.839	ug/l	100
41) Methacrylonitrile	7.17	41	167822	46.194	ug/l	97
42) 1,2-Dichloroethane	8.12	62	475993	50.538	ug/l	100
43) Isopropyl Acetate	8.16	43	514130	46.713	ug/l	98
44) Trichloroethene	8.83	130	484360	54.025	ug/l	100
45) 1,2-Dichloropropane	9.12	63	446988	52.199	ug/l	100
46) Dibromomethane	9.21	93	243431	49.479	ug/l	99
47) Bromodichloromethane	9.40	83	544313	52.609	ug/l	99
48) Methyl methacrylate	9.20	41	265160	46.661	ug/l	99
49) 1,4-Dioxane	9.20	88	57022	1027.449	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1361757	226.651	ug/l	100
52) Toluene	10.15	92	1045658	52.098	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	552241	52.659	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	665871	54.164	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	348207	50.321	ug/l	98
56) Ethyl methacrylate	10.43	69	429446	43.988	ug/l	99
57) 1,3-Dichloropropane	10.71	76	598675	50.013	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1079956	223.086	ug/l	99
59) 2-Hexanone	10.75	43	962981	228.321	ug/l	100
60) Dibromochloromethane	10.90	129	411009	52.368	ug/l	99
61) 1,2-Dibromoethane	11.00	107	342209	48.899	ug/l	100
64) Tetrachloroethene	10.63	164	539239	55.067	ug/l	98
65) Chlorobenzene	11.43	112	1175114	53.428	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	417809	54.604	ug/l	100
67) Ethyl Benzene	11.51	91	2016513	53.797	ug/l	100
68) m/p-Xylenes	11.62	106	1565138	110.592	ug/l	98
69) o-Xylene	11.95	106	751038	54.614	ug/l	98
70) Styrene	11.96	104	1232483	55.222	ug/l	100
71) Bromoform	12.13	173	268273	50.928	ug/l #	100
73) Isopropylbenzene	12.25	105	2023569	52.417	ug/l	100
74) N-amyl acetate	12.07	43	467916	45.467	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	339375	41.916	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	302013m	43.473	ug/l	
77) Bromobenzene	12.53	156	510157	50.150	ug/l	98
78) n-propylbenzene	12.59	91	2344272	52.901	ug/l	99
79) 2-Chlorotoluene	12.67	91	1342007	51.091	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1675623	53.347	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	116206	42.721	ug/l	99
82) 4-Chlorotoluene	12.77	91	1405505	52.470	ug/l	100
83) tert-Butylbenzene	12.99	119	1478367	53.289	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1696928	53.580	ug/l	99
85) sec-Butylbenzene	13.17	105	2061344	54.179	ug/l	99
86) p-Isopropyltoluene	13.29	119	1827902	55.331	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	939082	52.480	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	927527	51.675	ug/l	99
89) n-Butylbenzene	13.61	91	1584913	56.283	ug/l	100
90) Hexachloroethane	13.87	117	289054	55.790	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	869795	52.835	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	49179	47.904	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	399353	54.704	ug/l	99
94) Hexachlorobutadiene	15.01	225	328135	63.897	ug/l	100
95) Naphthalene	15.13	128	578044	45.724	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	272900	51.240	ug/l	99

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

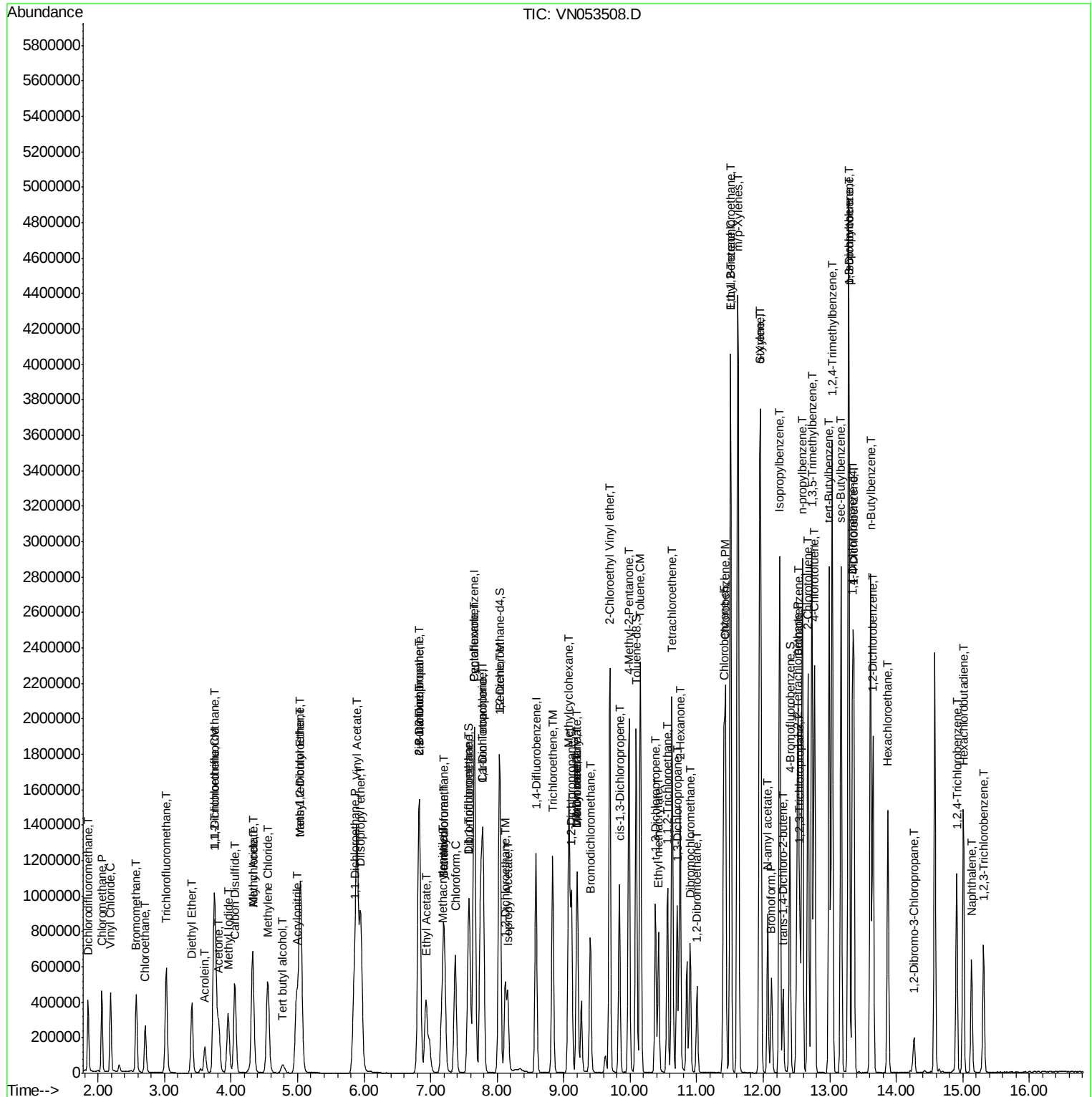
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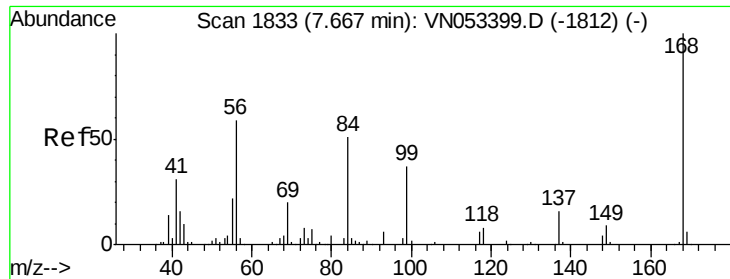
Instrument :
MSVOA_N
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 803529

Ion Ratio Lower Upper

168 100

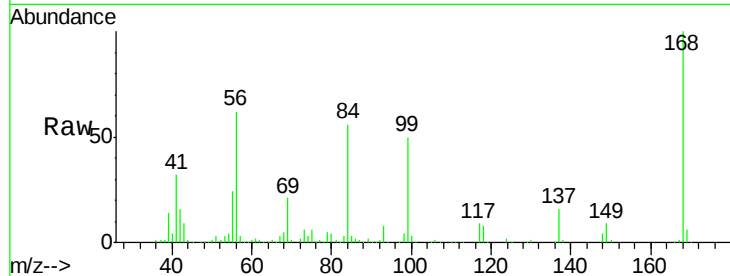
99 49.6 39.1 58.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

300000

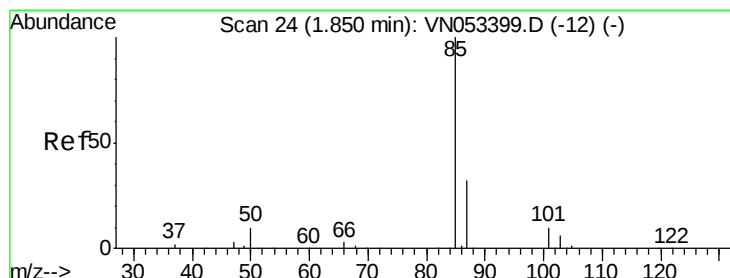
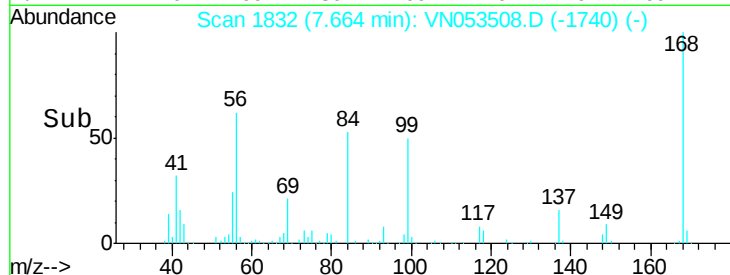
200000

100000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 49.241 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053508.D

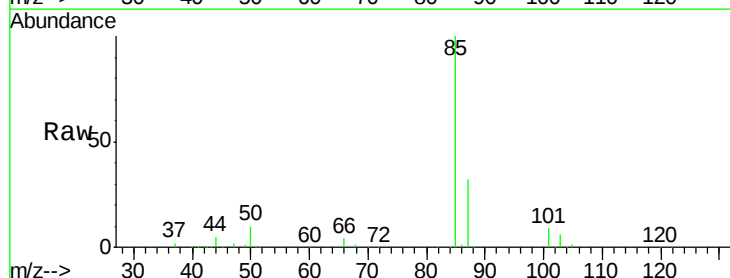
Acq: 22 Jan 2019 10:09

Tgt Ion: 85 Resp: 318114

Ion Ratio Lower Upper

85 100

87 32.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

250000

200000

150000

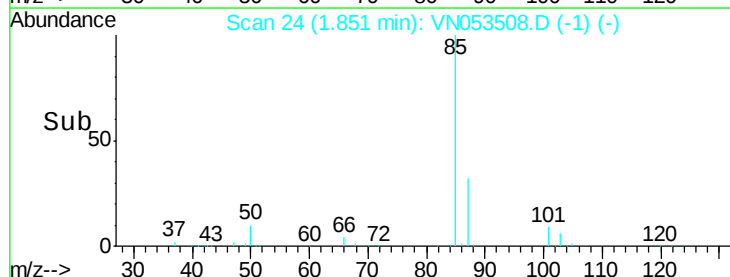
100000

50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 43.800 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 404575

Ion Ratio Lower Upper

50 100

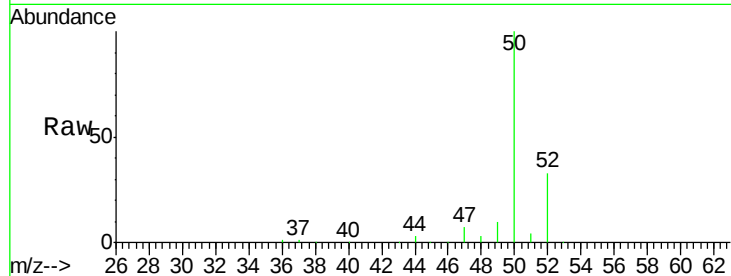
52 33.2 26.6 40.0

Manual Integrations

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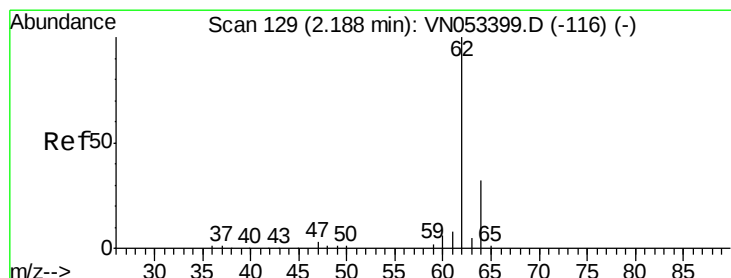
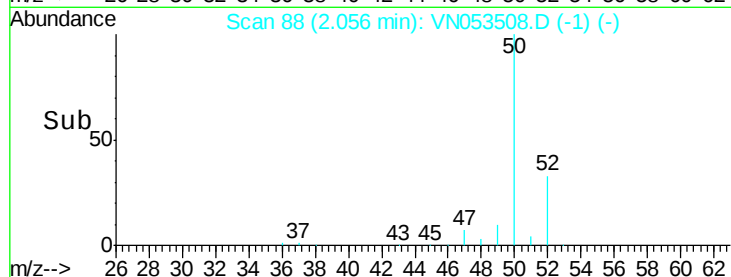
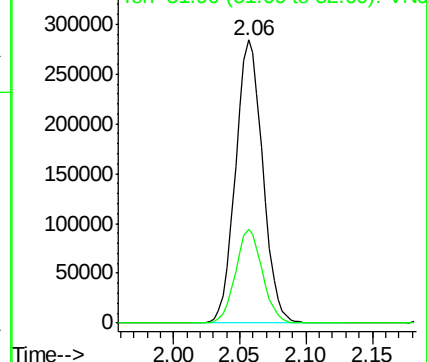
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 46.673 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053508.D

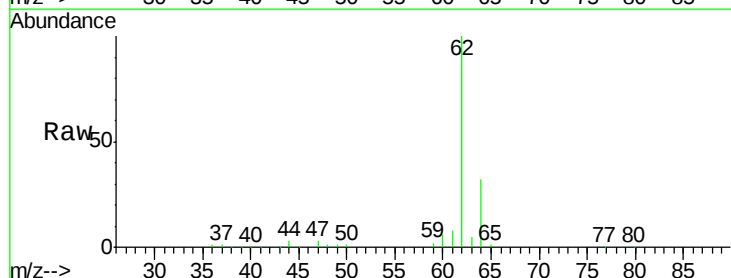
Acq: 22 Jan 2019 10:09

Tgt Ion: 62 Resp: 415564

Ion Ratio Lower Upper

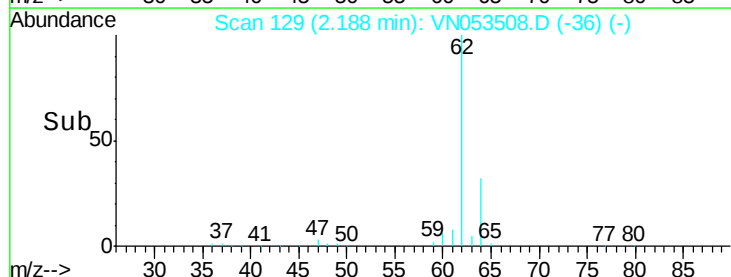
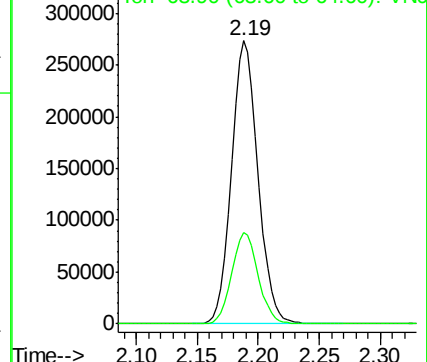
62 100

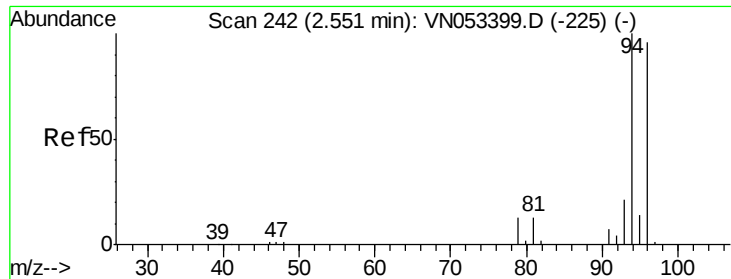
64 32.2 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 48.268 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.02 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 294885

Ion Ratio Lower Upper

94 100

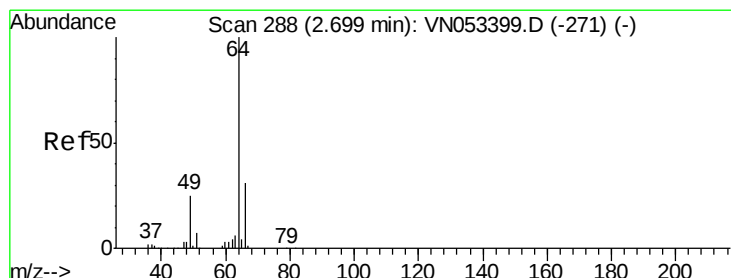
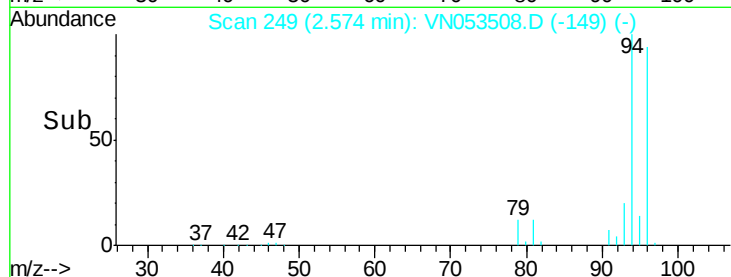
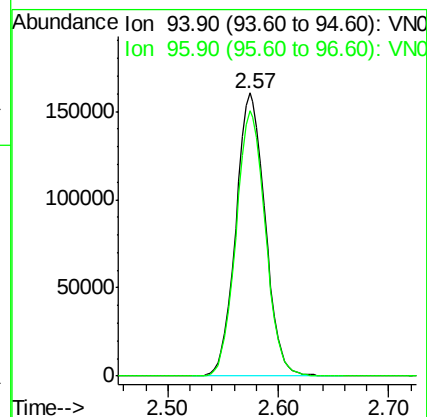
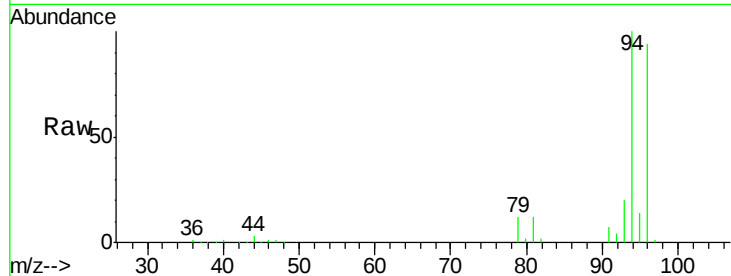
96 93.7 76.8 115.2

Manual Integrations

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#6

Chloroethane

Concen: 47.017 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN053508.D

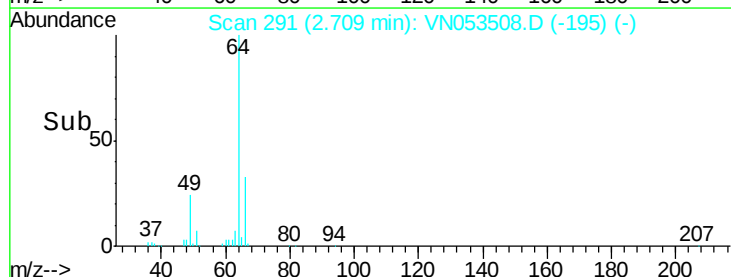
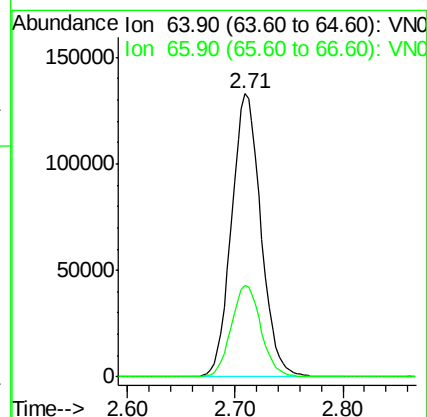
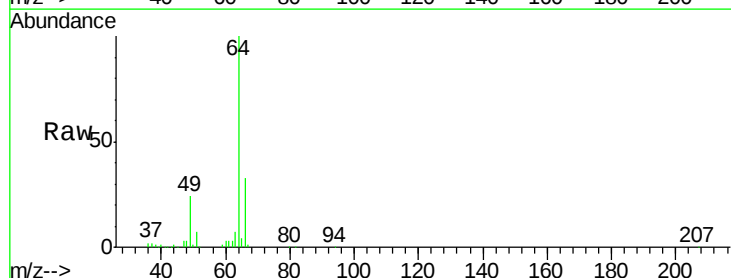
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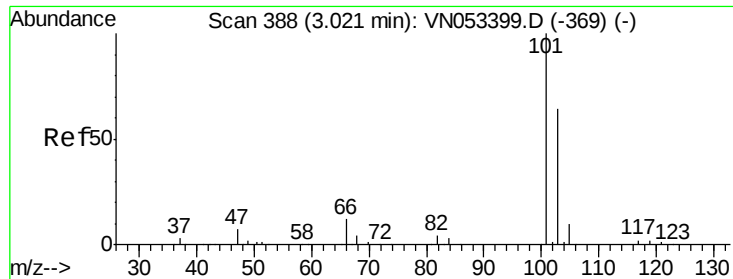
Tgt Ion: 64 Resp: 253100

Ion Ratio Lower Upper

64 100

66 32.5 25.1 37.7





#7

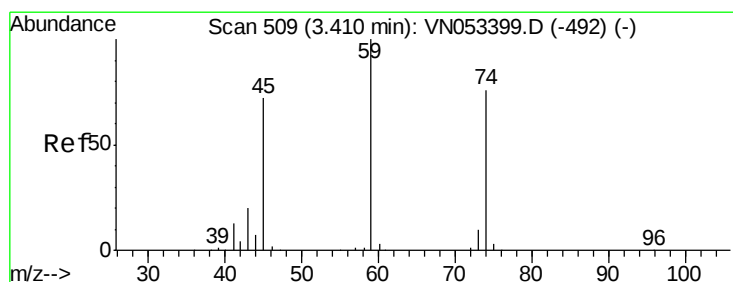
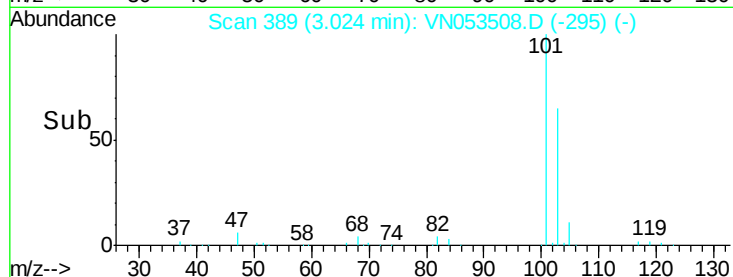
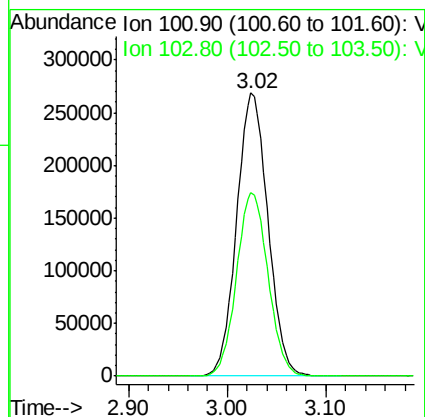
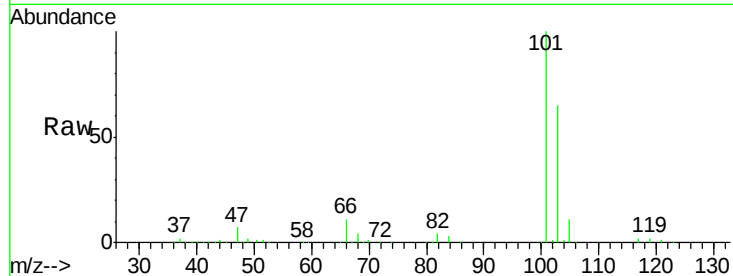
Trichlorofluoromethane
Concen: 50.766 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.6	77.4

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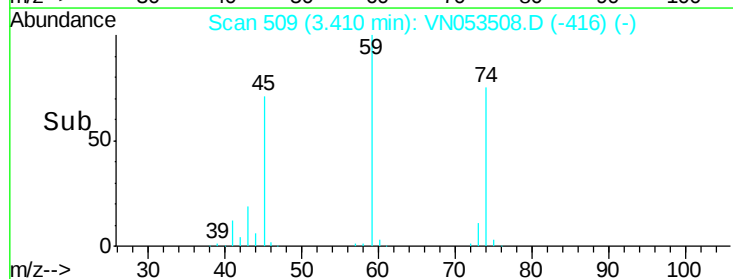
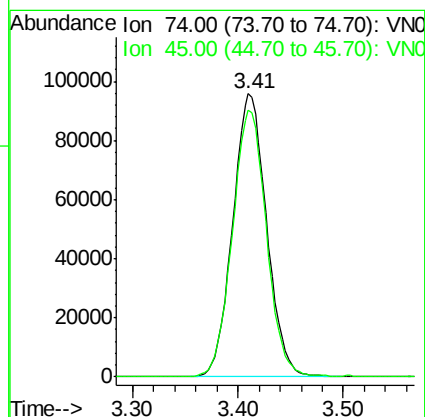
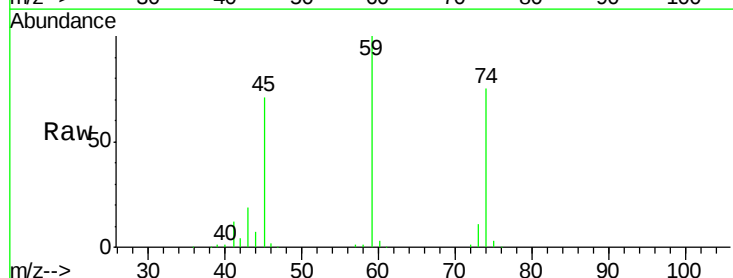
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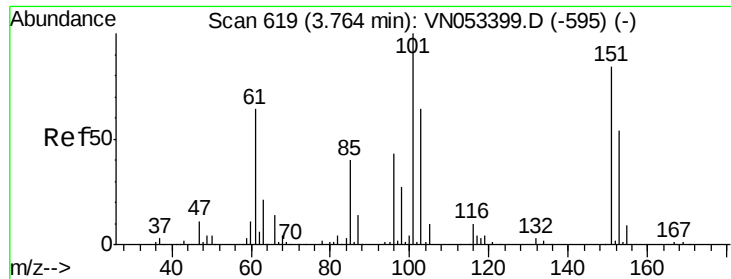


#8

Diethyl Ether
Concen: 48.827 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN053508.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.7	47.9	143.7





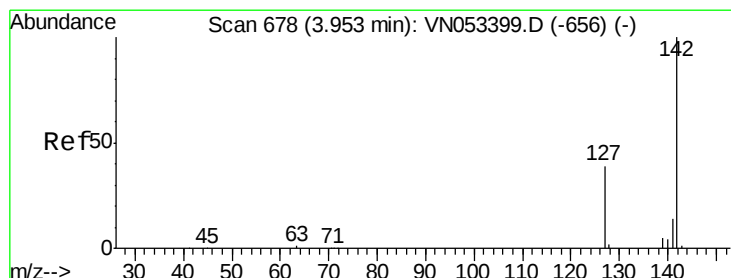
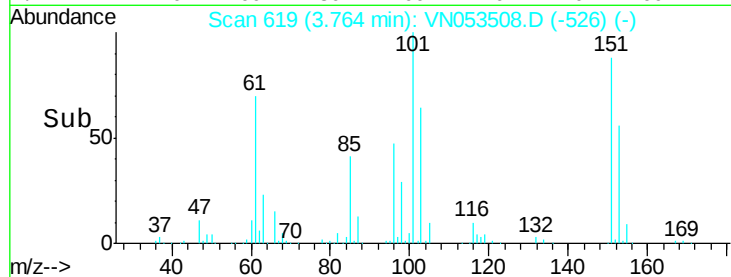
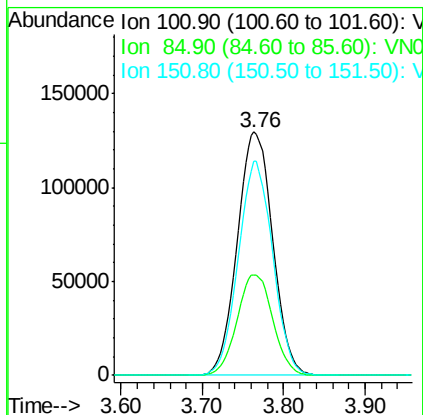
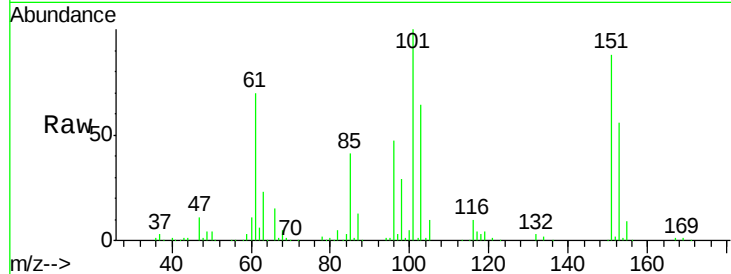
#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.755 ug/l
RT: 3.76 min Scan# 619
Delta R.T. 0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	389105		
85	41.5	32.8	49.2	
151	85.4	66.9	100.3	

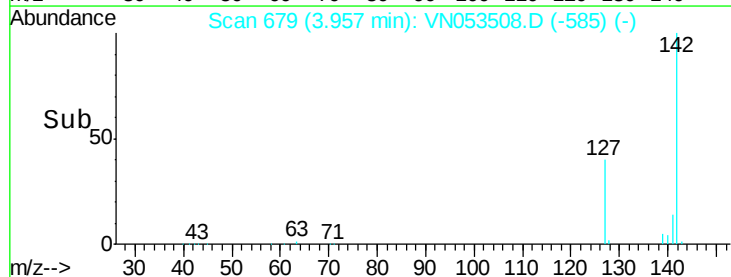
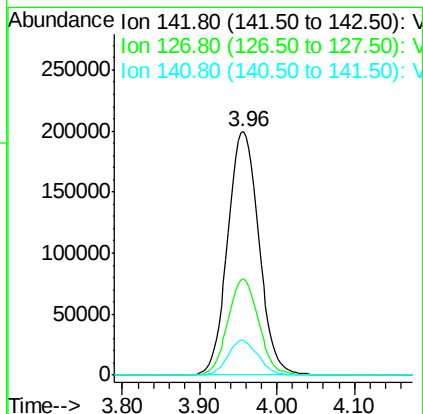
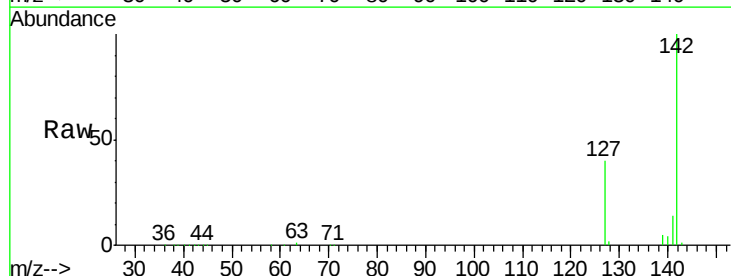
Manual Integrations
APPROVED

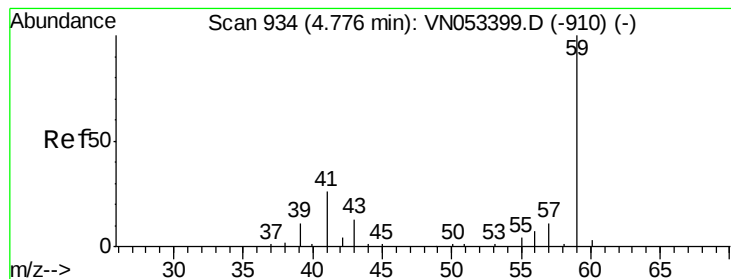
MMDadoda
1/23/2019 11:00:34 AM



#10
Methyl Iodide
Concen: 49.555 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	558549		
127	39.0	31.0	46.4	
141	13.9	11.1	16.7	





#11

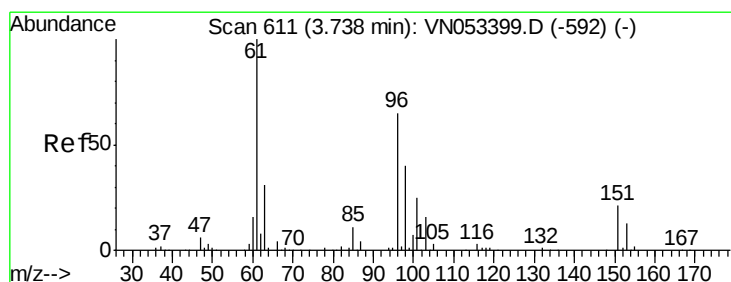
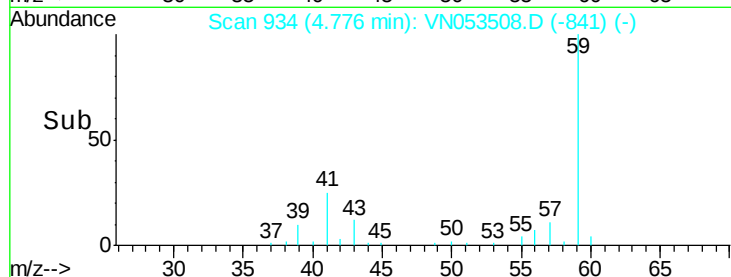
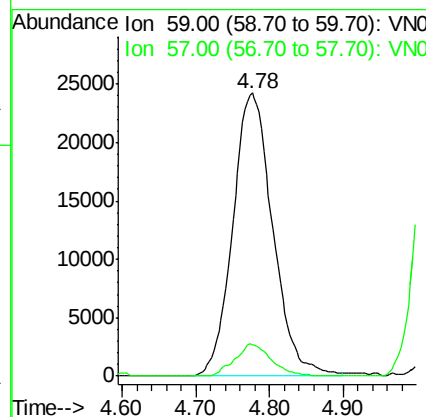
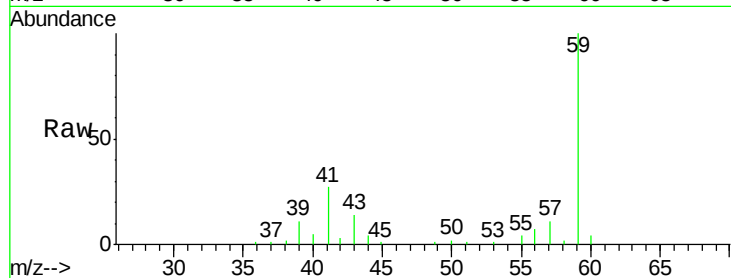
Tert butyl alcohol
 Concen: 235.390 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VN053508.D
 Acq: 22 Jan 2019 10:09

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	59.00	Resp	91478
Ion Ratio	100	Lower	Upper
59	100		
57	10.4	8.2	12.4

Manual Integrations
 APPROVED

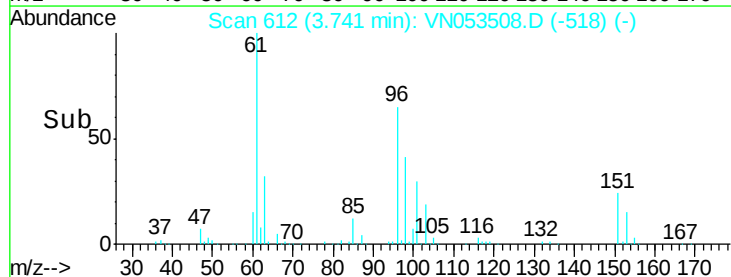
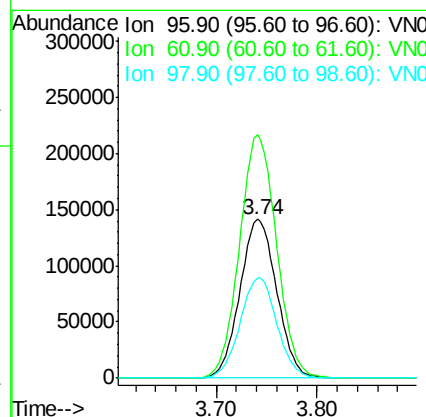
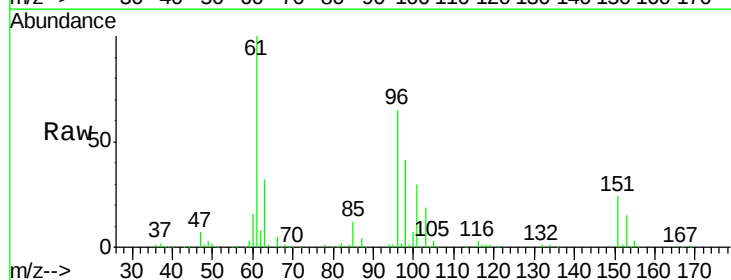
MMDadoda
 1/23/2019 11:00:34 AM

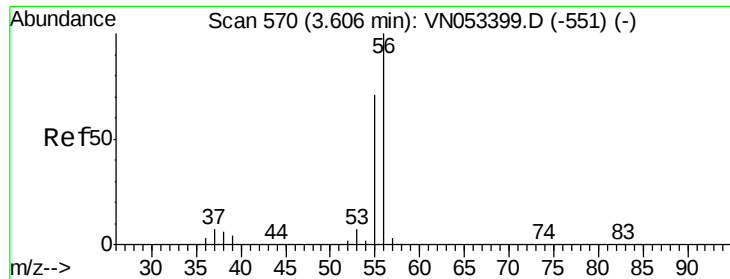


#12

1,1-Dichloroethene
 Concen: 50.068 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN053508.D
 Acq: 22 Jan 2019 10:09

Tgt Ion	96	Resp	358183
Ion Ratio	100	Lower	Upper
96	100		
61	153.4	122.9	184.3
98	63.3	49.4	74.0





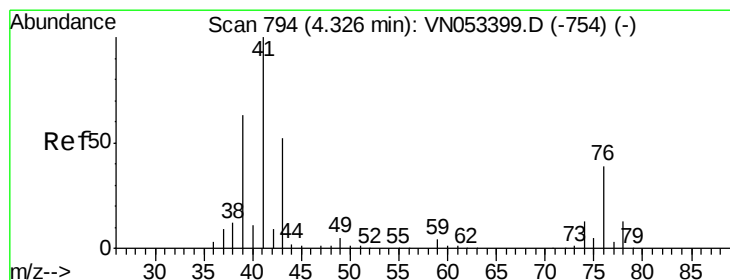
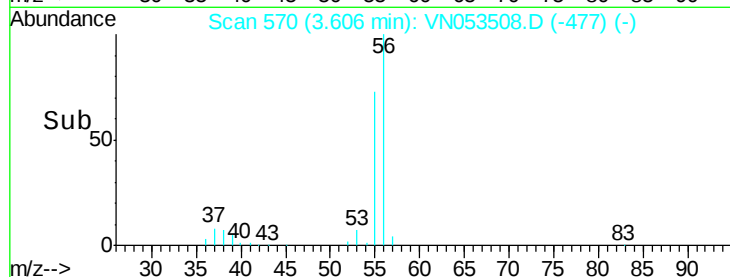
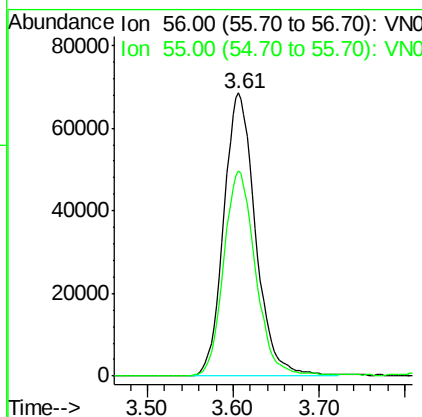
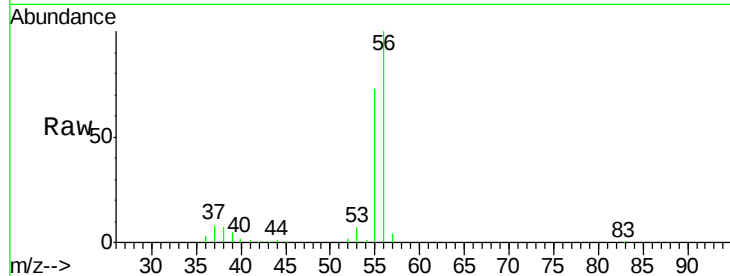
#13
Acrolein
Concen: 233.976 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.1	57.4	86.0

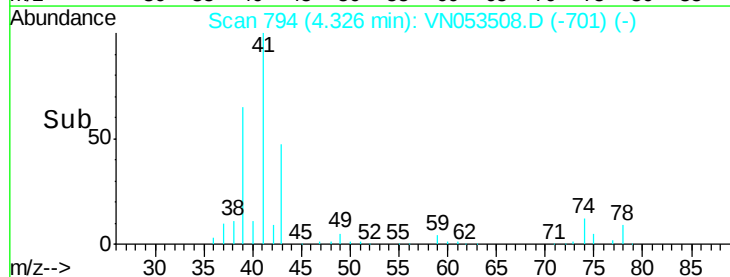
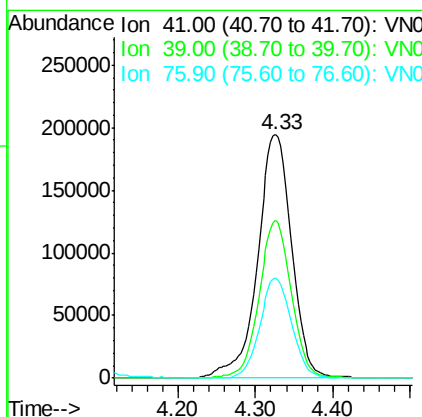
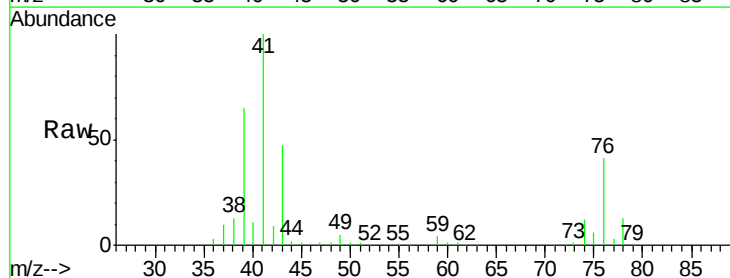
Manual Integrations
APPROVED

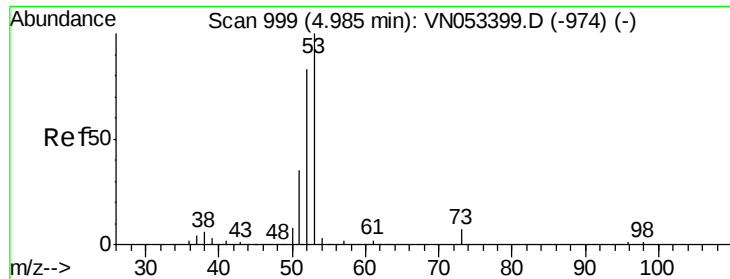
MMDadoda
1/23/2019 11:00:34 AM



#14
Allyl chloride
Concen: 51.166 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
41	100		
39	61.4	48.9	73.3
76	37.8	29.4	44.2





#15

Acrylonitrile

Concen: 225.036 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Instrument :

MSVOA_N

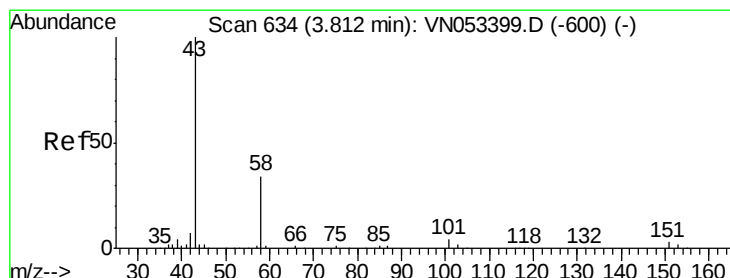
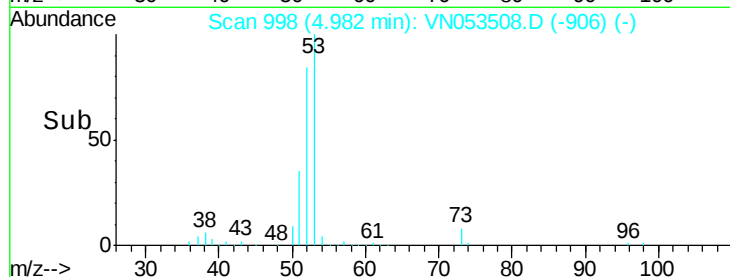
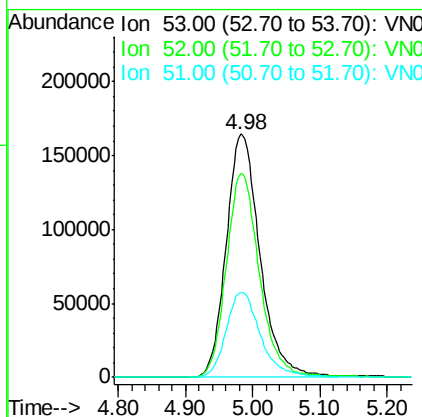
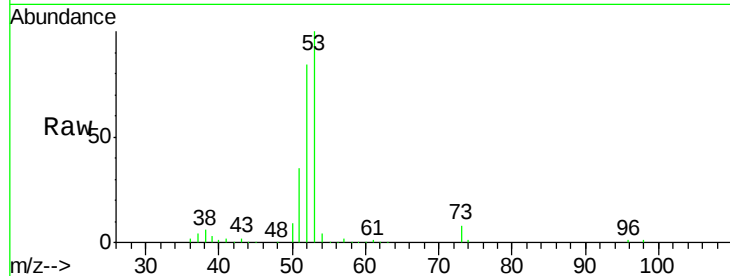
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	575545
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.0	99.0
51	35.7	28.3	42.5

Manual Integrations
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MMDadoda
1/23/2019 11:00:34 AM



#16

Acetone

Concen: 243.136 ug/l

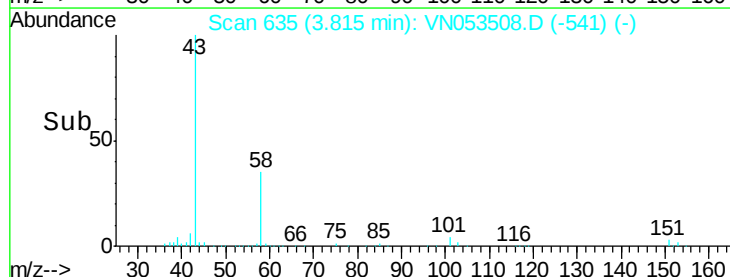
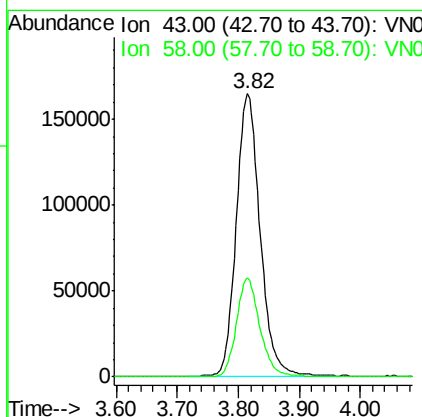
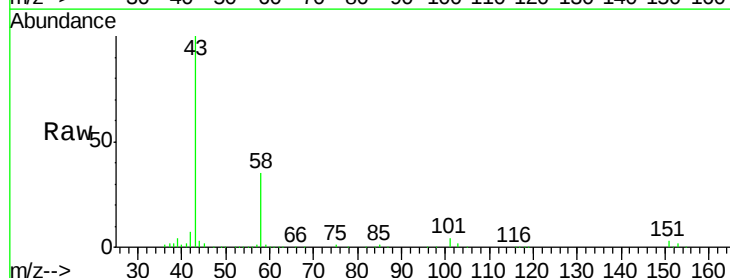
RT: 3.82 min Scan# 635

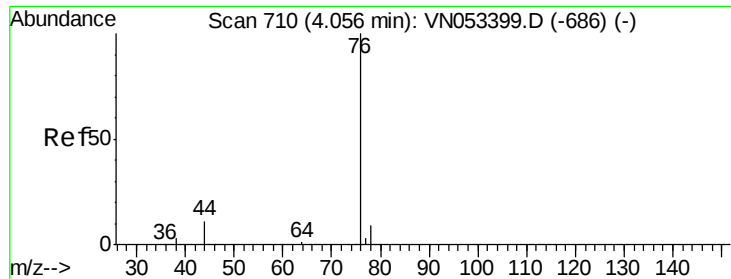
Delta R.T. 0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Tgt Ion:	43	Resp:	453051
Ion	Ratio	Lower	Upper
43	100		
58	35.0	27.1	40.7





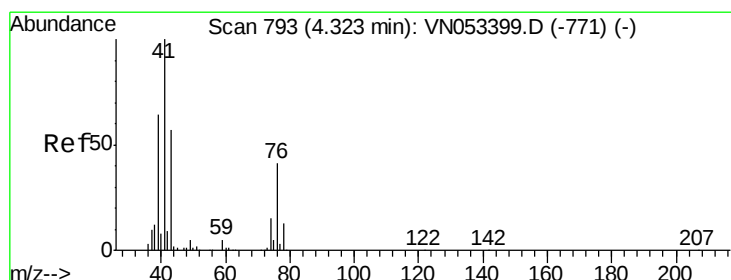
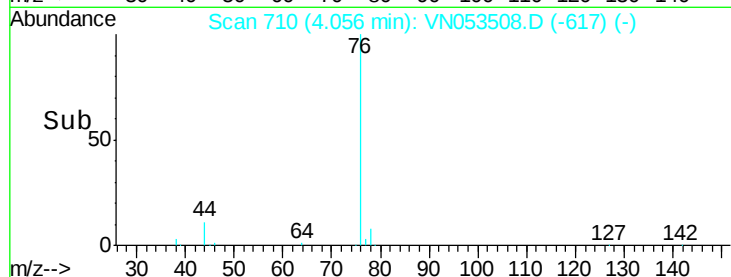
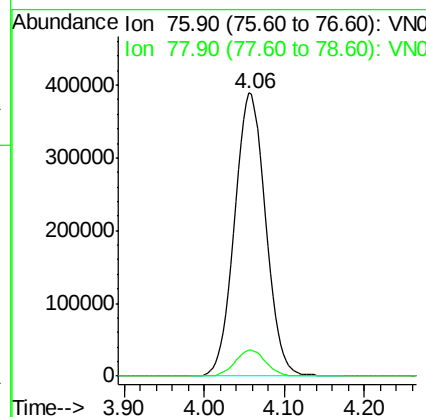
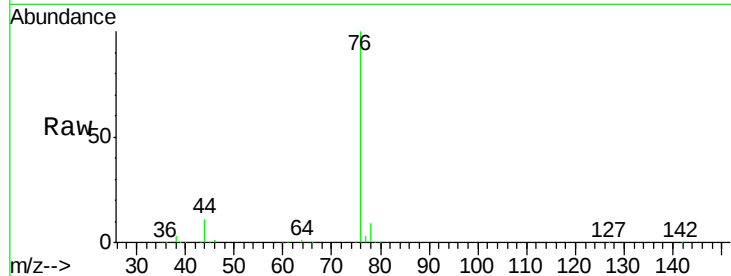
#17
Carbon Disulfide
Concen: 47.374 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1024885
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9

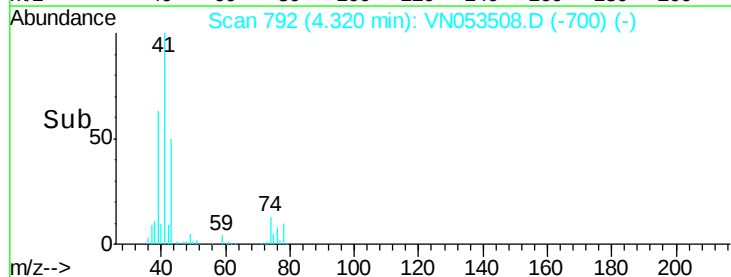
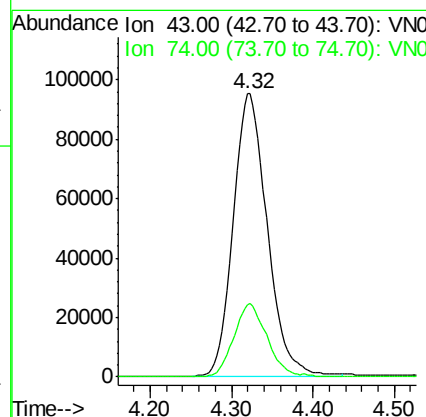
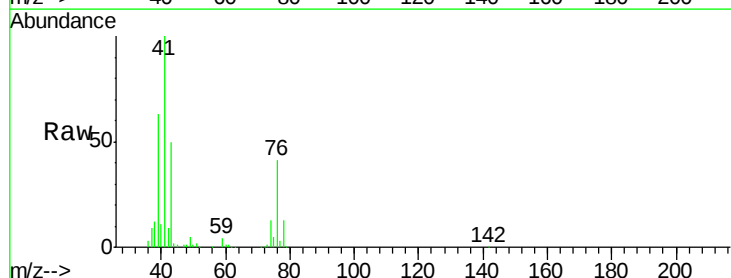
Manual Integrations
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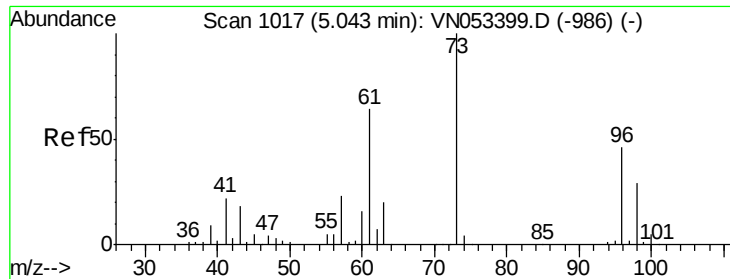
MMDadoda
1/23/2019 11:00:34 AM



#18
Methyl Acetate
Concen: 44.082 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Tgt Ion: 43 Resp: 276743
Ion Ratio Lower Upper
43 100
74 25.5 19.4 29.2





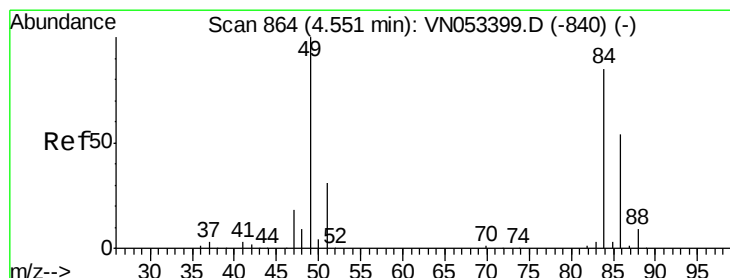
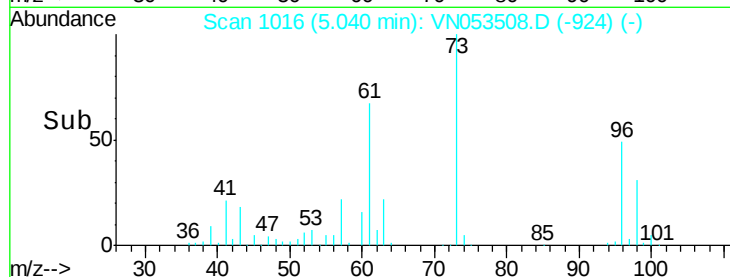
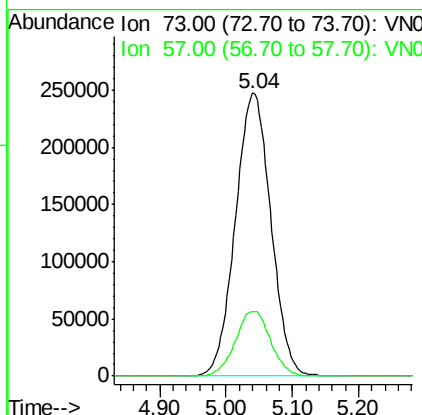
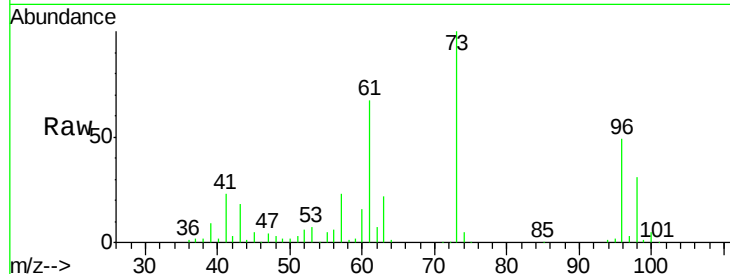
#19
Methvl tert-butvl Ether
Concen: 48.390 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 919807
Ion Ratio Lower Upper
73 100
57 22.8 18.3 27.5

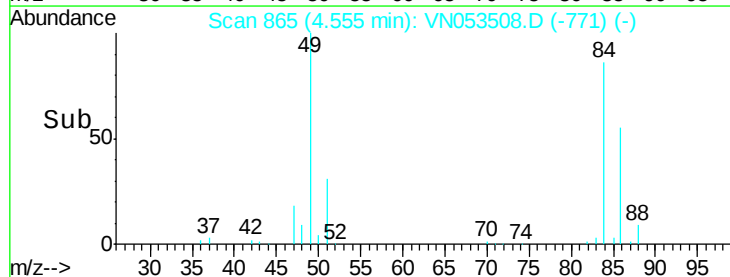
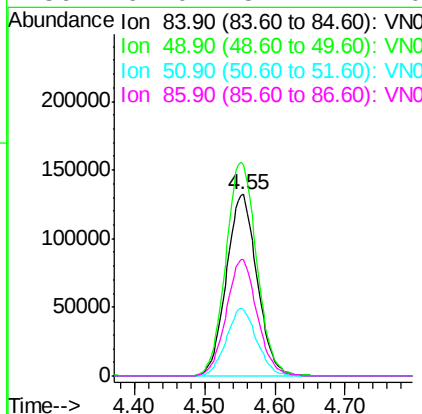
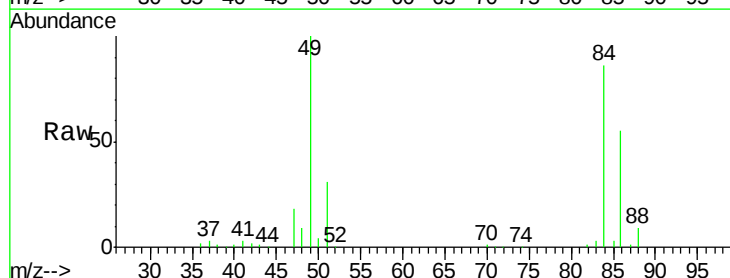
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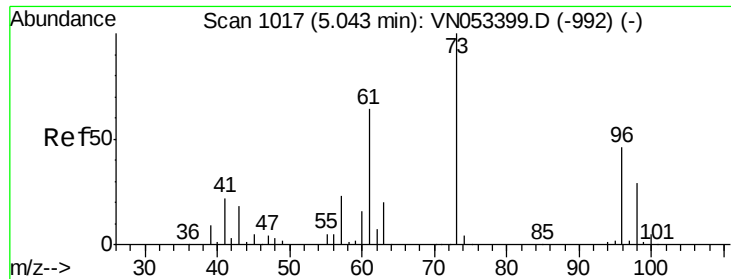
MMDadoda
1/23/2019 11:00:34 AM



#20
Methylene Chloride
Concen: 47.433 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Tgt Ion: 84 Resp: 403523
Ion Ratio Lower Upper
84 100
49 116.5 94.3 141.5
51 36.7 29.4 44.2
86 64.0 51.4 77.0





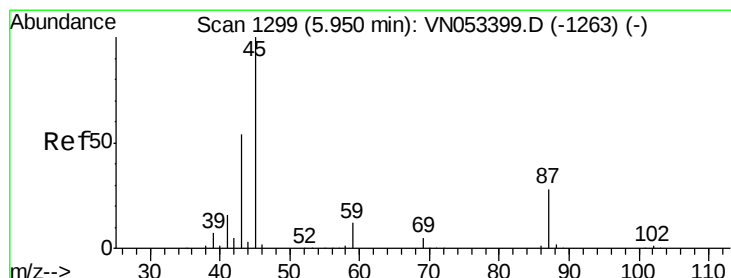
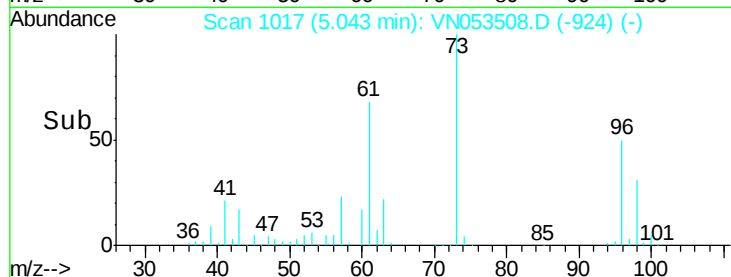
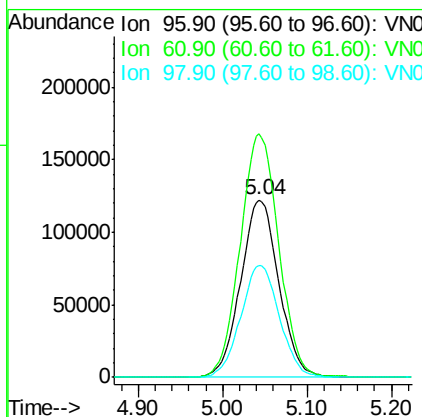
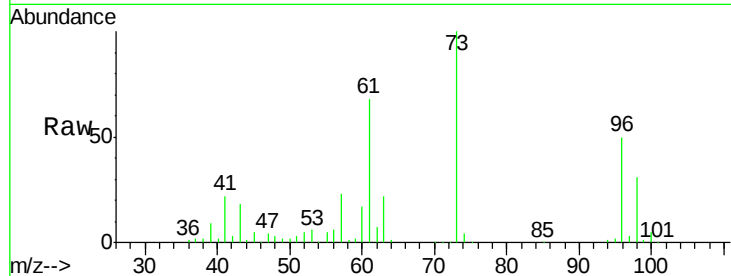
#21
trans-1,2-Dichloroethene
Concen: 50.345 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.3	110.1	165.1
98	63.1	50.0	75.0

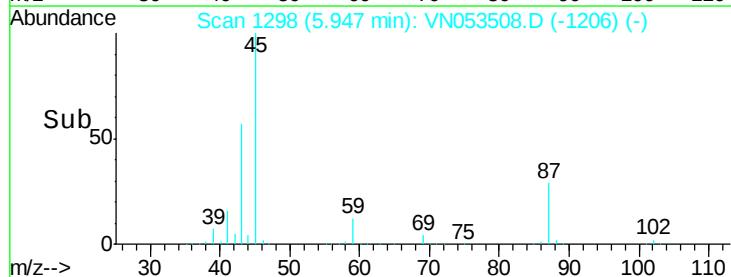
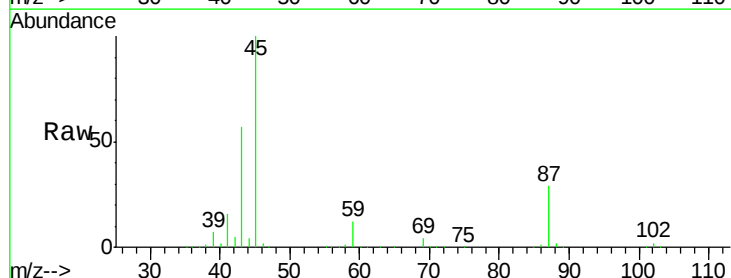
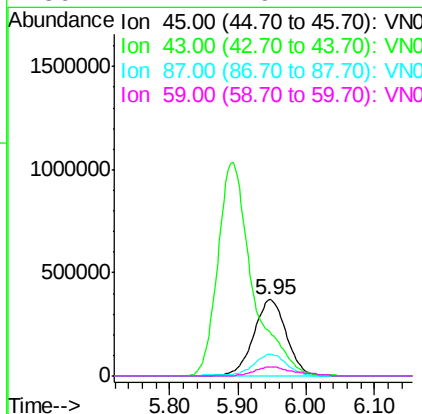
Manual Integrations
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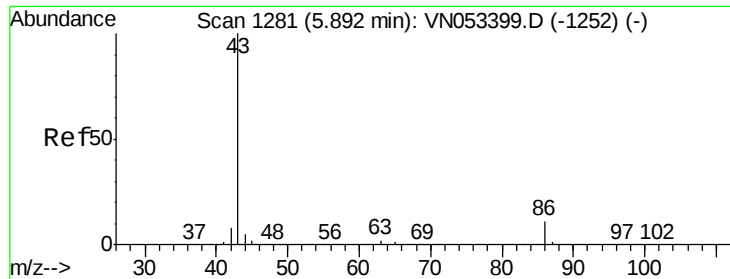
MMDadoda
1/23/2019 11:00:34 AM



#22
Diisopropyl ether
Concen: 50.939 ug/l
RT: 5.95 min Scan# 1298
Delta R.T. -0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.4	44.2	66.4
87	28.6	22.7	34.1
59	12.1	9.4	14.2





#23

Vinyl Acetate

Concen: 244.678 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3648638

Ion Ratio Lower Upper

43 100

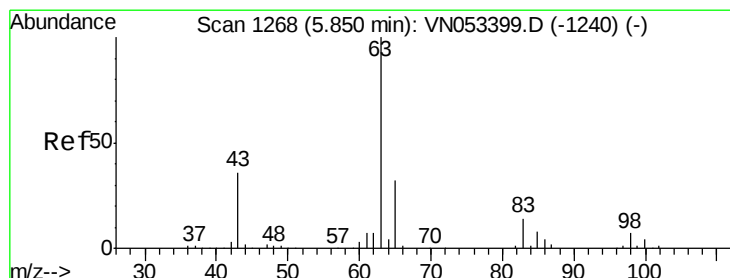
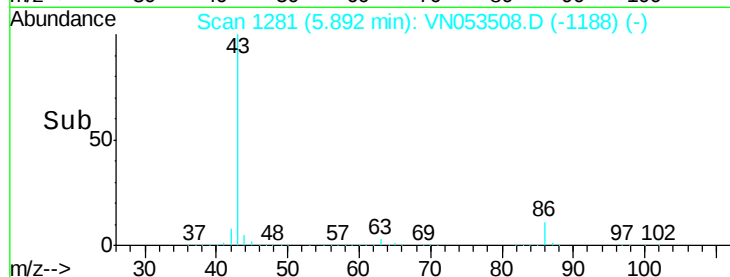
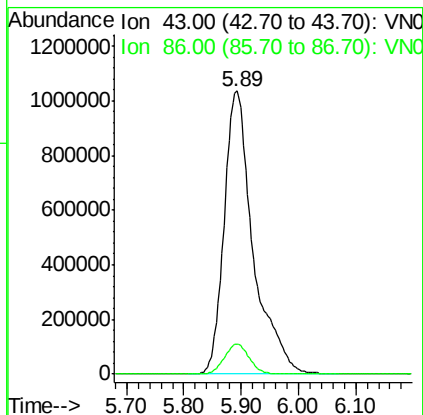
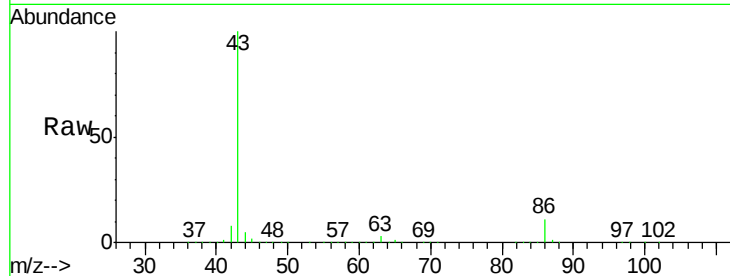
86 10.6 8.4 12.6

Manual Integrations

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MMDadoda

1/23/2019 11:00:34 AM



#24

1,1-Dichloroethane

Concen: 50.962 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

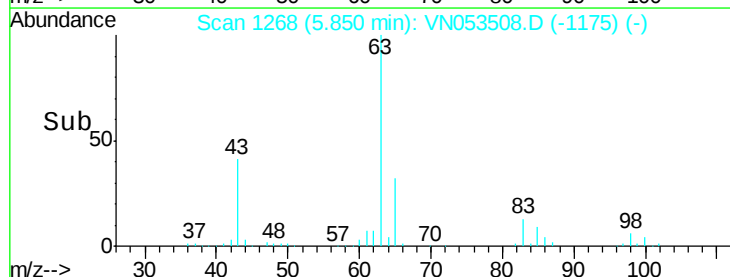
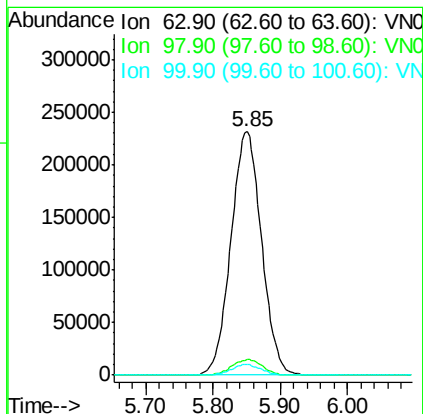
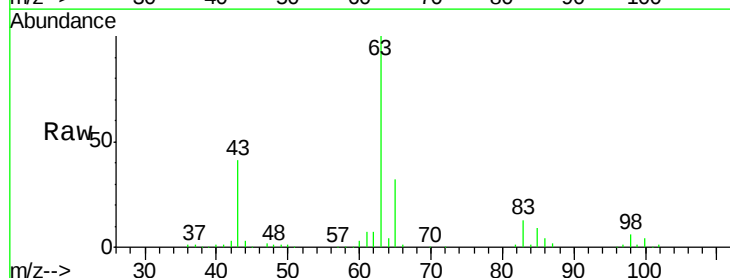
Tgt Ion: 63 Resp: 730829

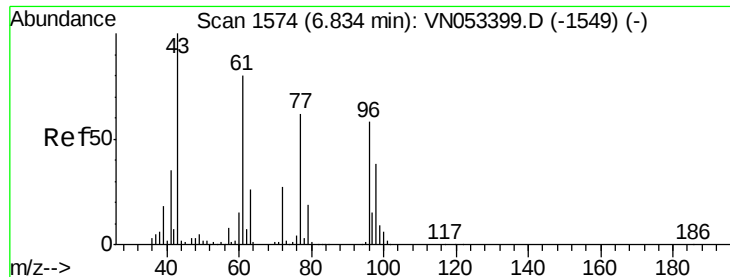
Ion Ratio Lower Upper

63 100

98 6.3 3.3 9.9

100 4.3 2.1 6.5





#25

2-Butanone

Concen: 225.568 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 647709

Ion Ratio Lower Upper

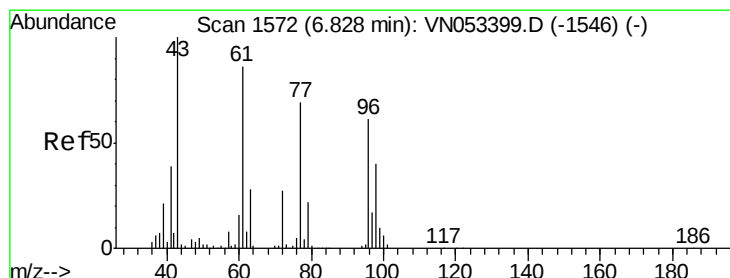
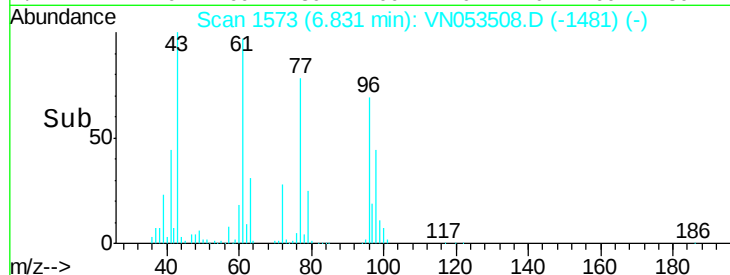
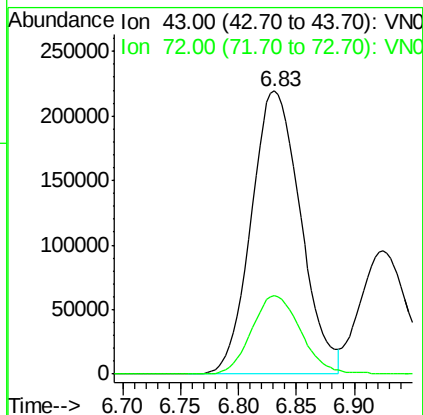
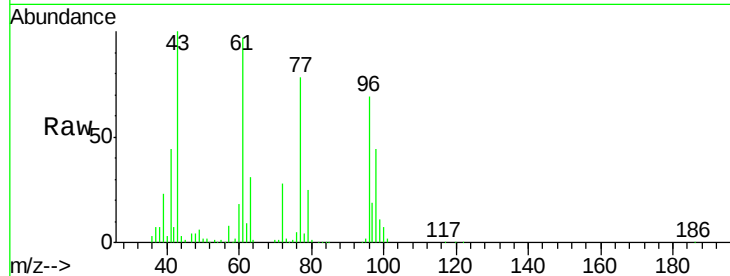
43 100

72 28.0 22.0 33.0

Manual Integrations
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MMDadoda

1/23/2019 11:00:34 AM



#26

2,2-Dichloropropane

Concen: 52.514 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN053508.D

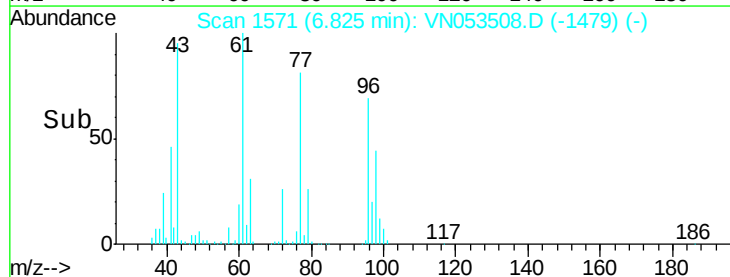
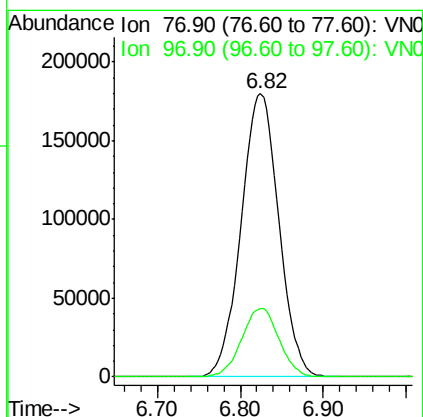
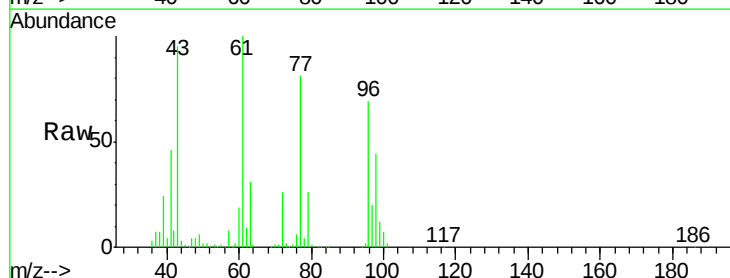
Acq: 22 Jan 2019 10:09

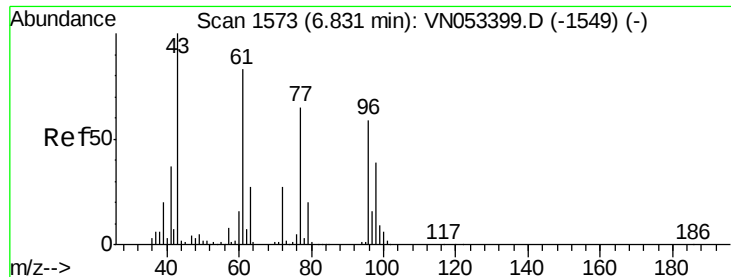
Tgt Ion: 77 Resp: 568598

Ion Ratio Lower Upper

77 100

97 24.1 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 51.061 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Instrument :

MSVOA_N

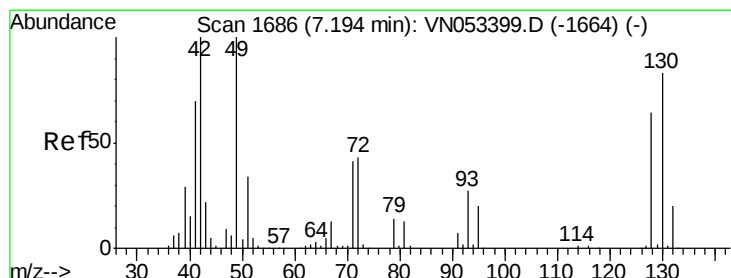
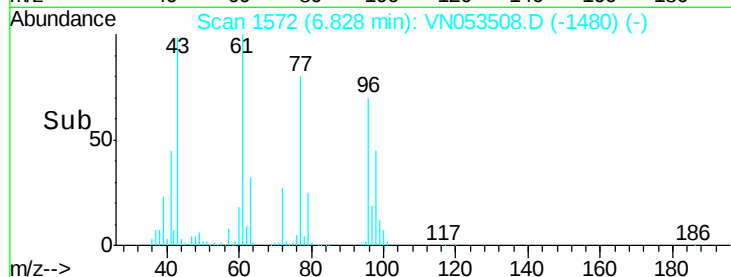
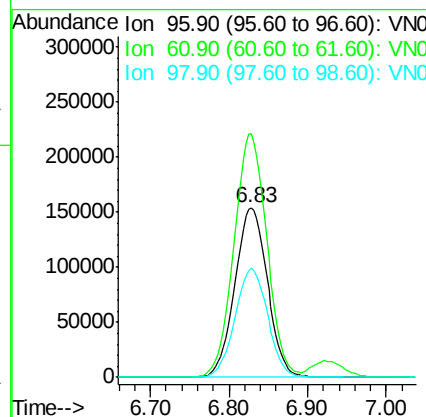
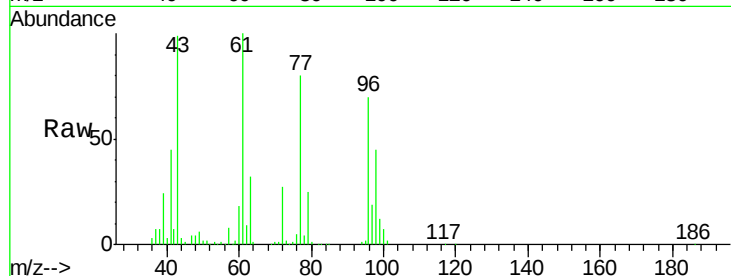
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	446580
Ion	Ratio	Lower	Upper
96	100		
61	144.2	0.0	283.8
98	64.2	0.0	129.2

Manual Integrations
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1/23/2019 11:00:34 AM



#28

Bromochloromethane

Concen: 43.452 ug/l

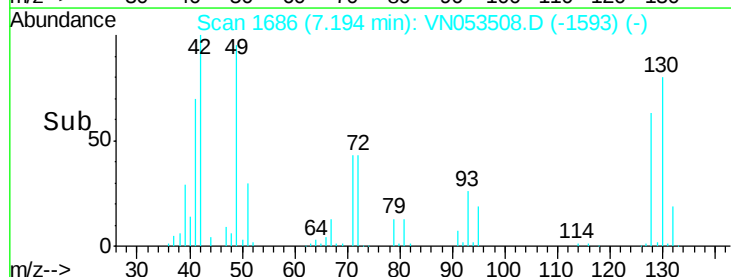
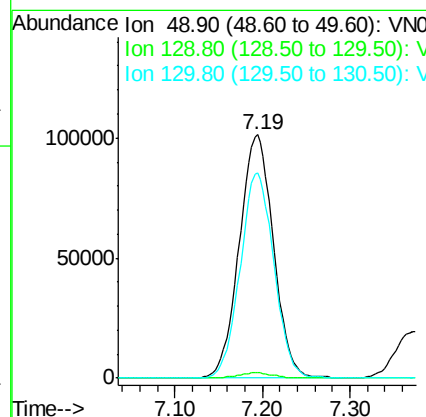
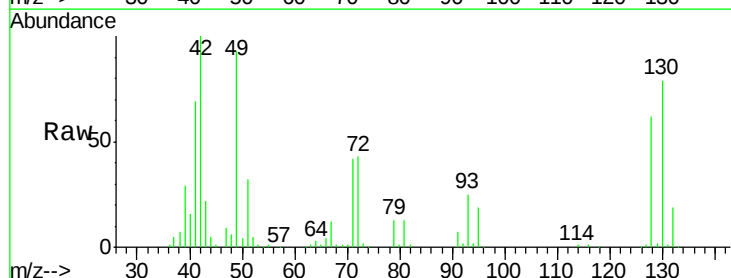
RT: 7.19 min Scan# 1686

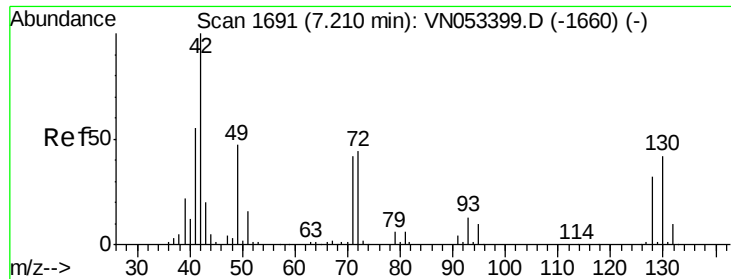
Delta R.T. 0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Tgt Ion:	49	Resp:	274514
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	83.3	66.3	99.5





#29

Tetrahydrofuran

Concen: 214.972 ug/l

RT: 7.21 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Instrument :

MSVOA_N

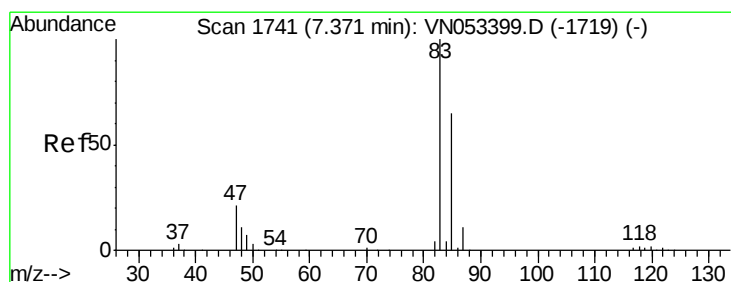
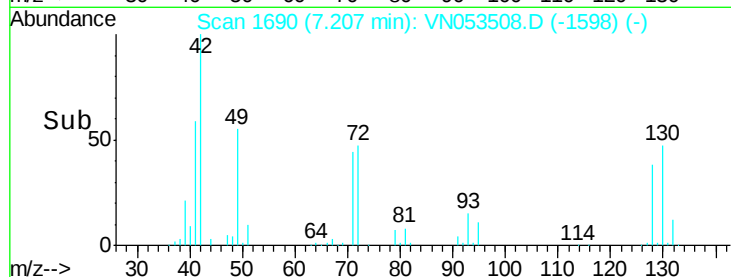
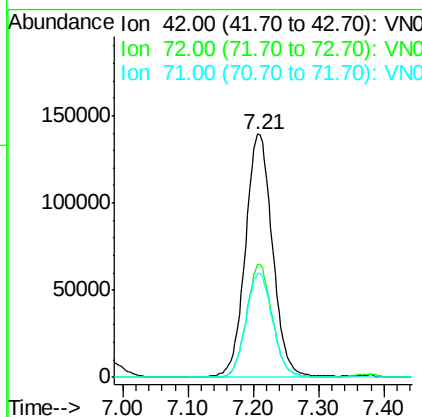
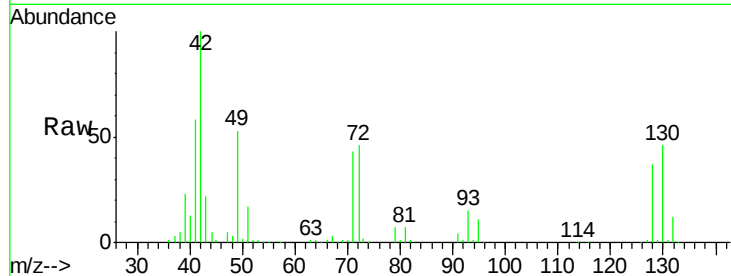
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	401853
Ion	Ratio	Lower	Upper
42	100		
72	44.3	35.2	52.8
71	42.1	33.0	49.4

Manual Integrations
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#30

Chloroform

Concen: 51.272 ug/l

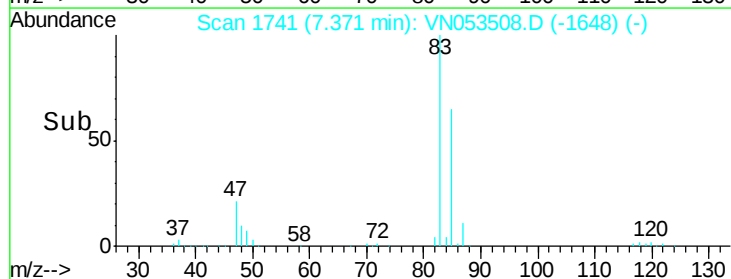
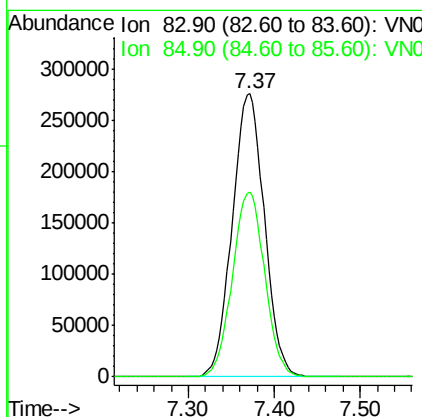
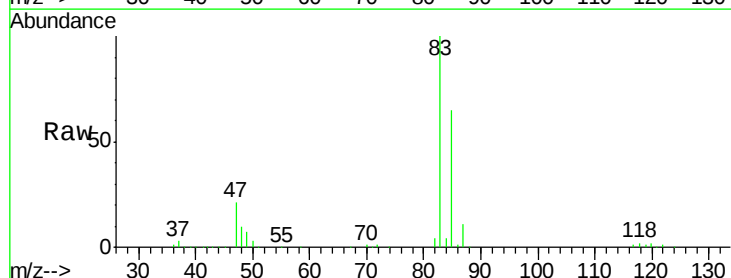
RT: 7.37 min Scan# 1741

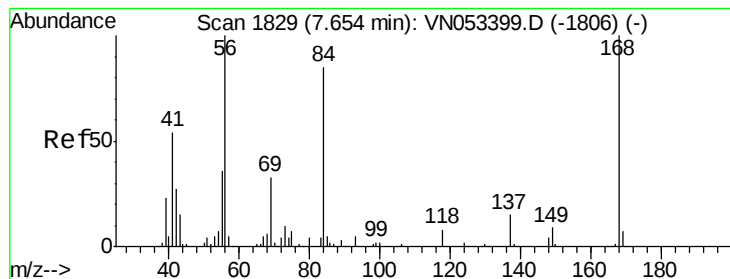
Delta R.T. 0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Tgt Ion:	83	Resp:	716386
Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.2	78.2





#31

Cyclohexane

Concen: 49.436 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 56 Resp: 689968

Ion Ratio Lower Upper

56 100

69 33.0 26.4 39.6

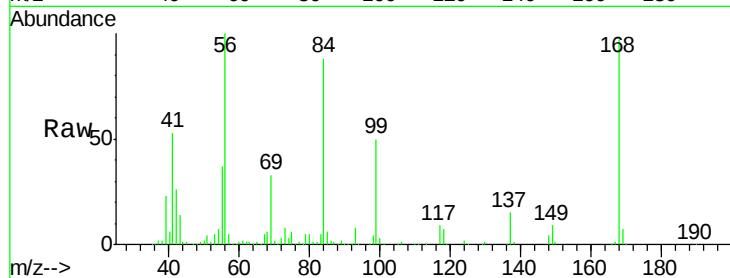
84 86.9 67.9 101.9

Manual Integrations

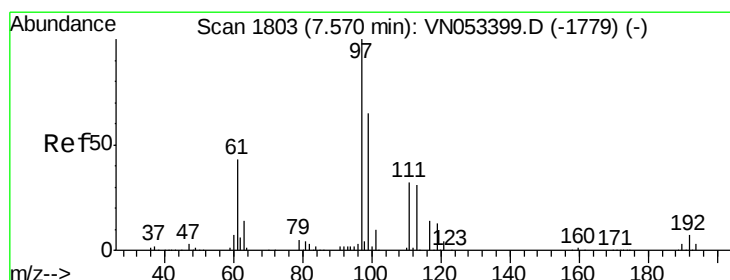
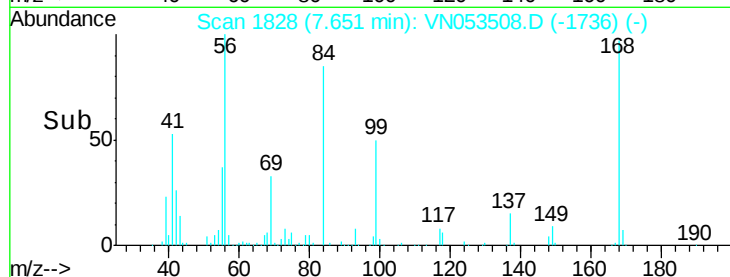
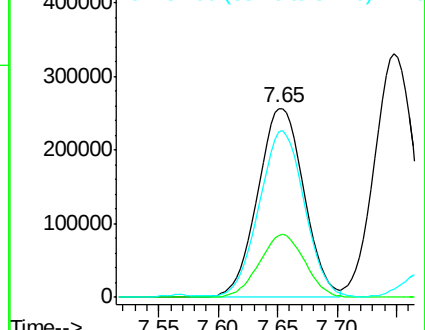
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Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 51.162 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

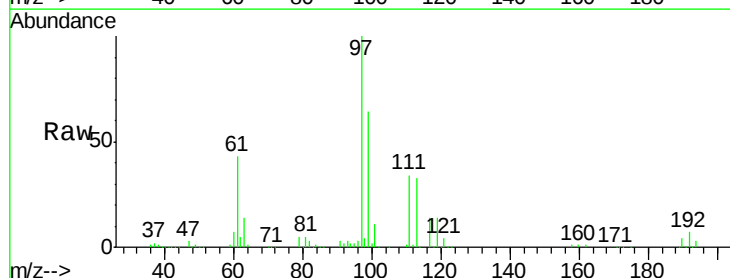
Tgt Ion: 97 Resp: 606403

Ion Ratio Lower Upper

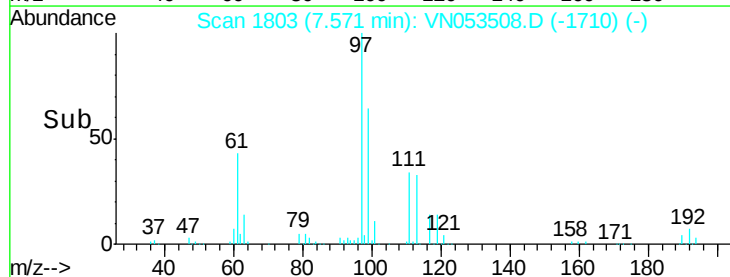
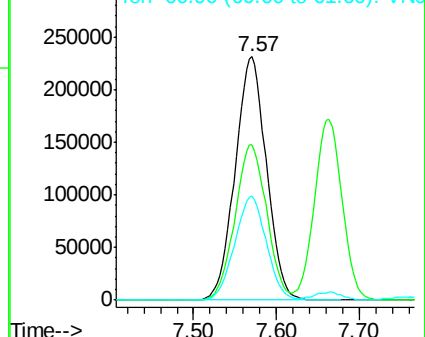
97 100

99 64.7 52.0 78.0

61 43.2 34.4 51.6



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





#33

1,2-Dichloroethane-d4

Concen: 51.162 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 370496

Ion Ratio Lower Upper

65 100

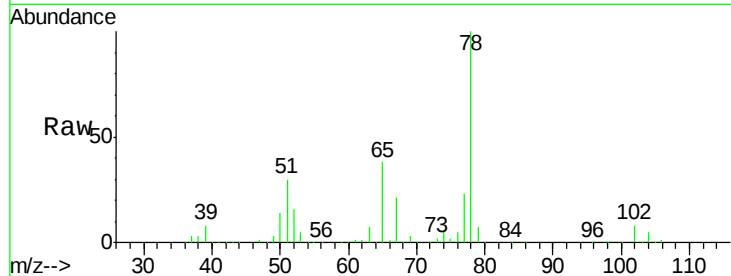
67 55.1 0.0 111.2

Manual Integrations

APPROVED

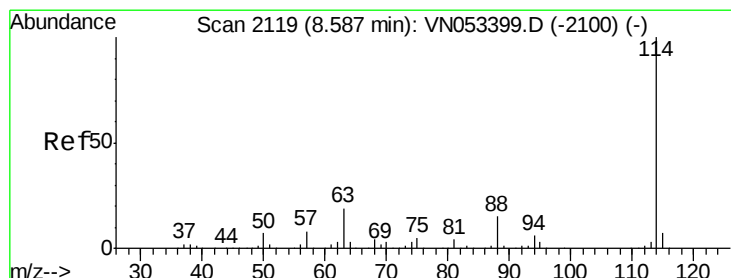
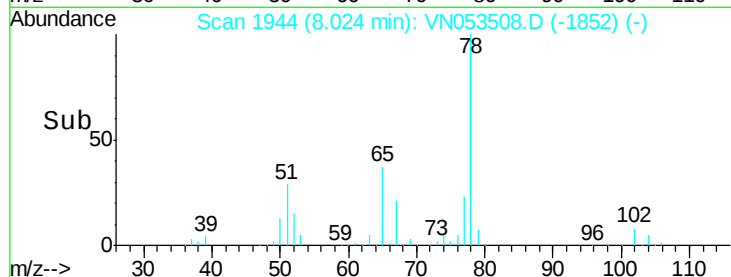
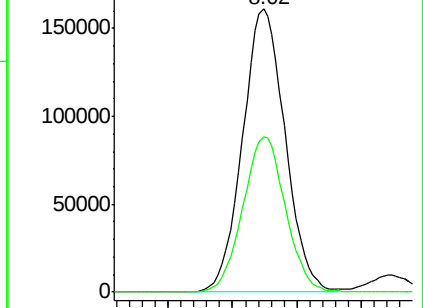
MMDadoda

1/23/2019 11:00:34 AM



Abundance Ion 64.90 (64.60 to 65.60): VN053399.D (-1925) (-)

Ion 66.90 (66.60 to 67.60): VN053399.D (-1925) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

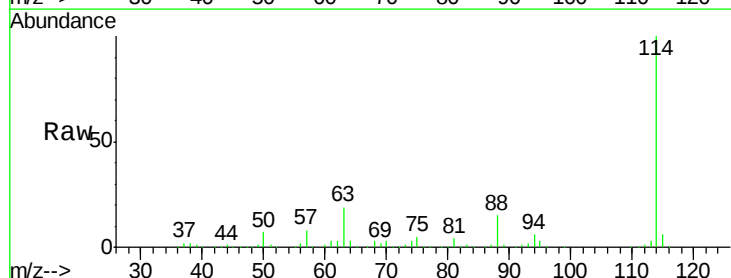
Tgt Ion: 114 Resp: 1168199

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.6

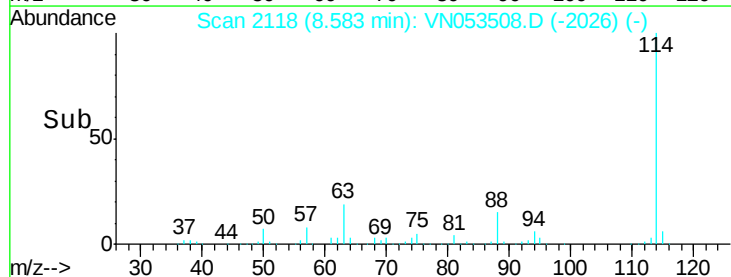
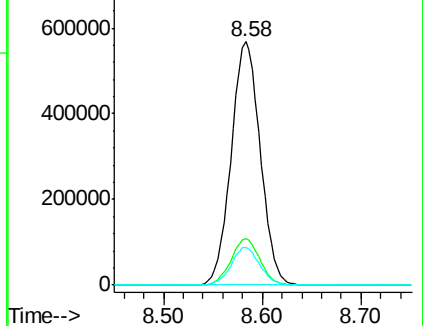
88 15.4 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VN053399.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN053399.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN053399.D (-2100) (-)





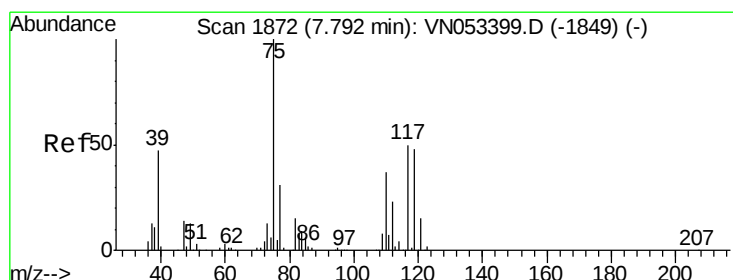
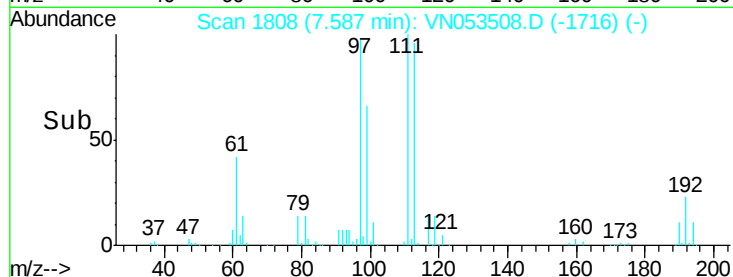
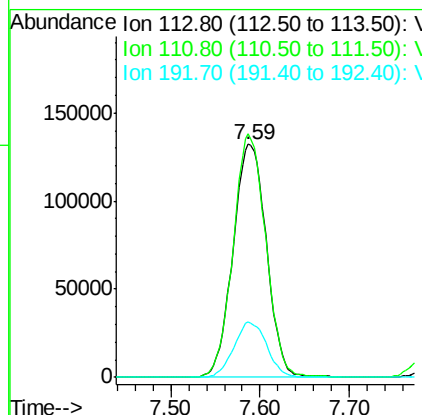
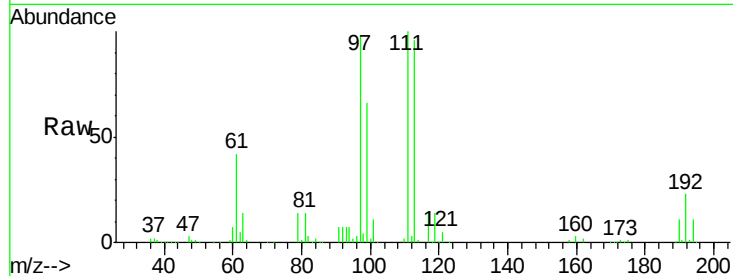
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. -0.00 min
 Lab File: VN053508.D
 Acq: 22 Jan 2019 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	343282		
111	101.3	81.1	121.7	
192	23.2	18.2	27.2	

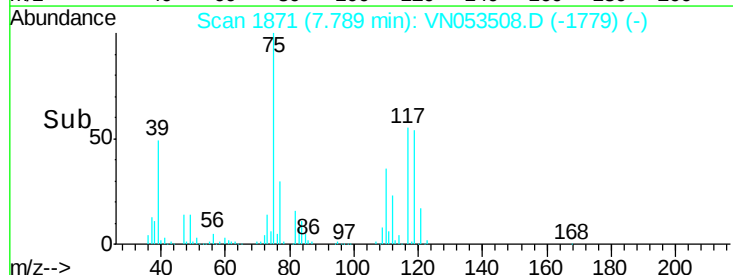
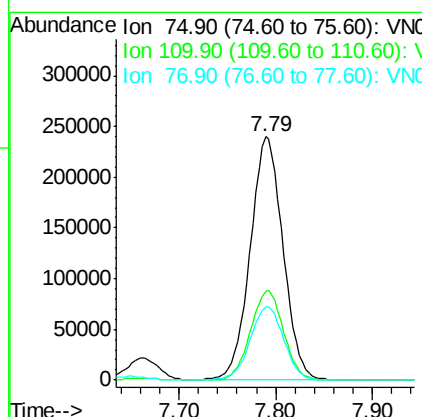
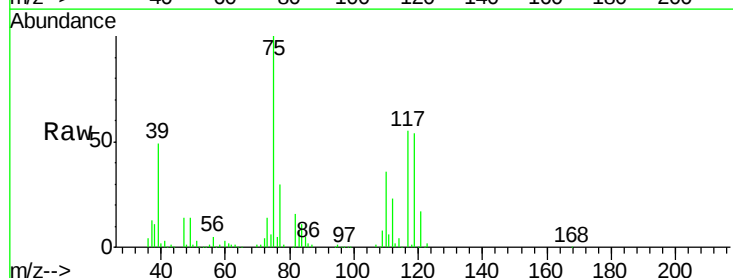
Manual Integrations
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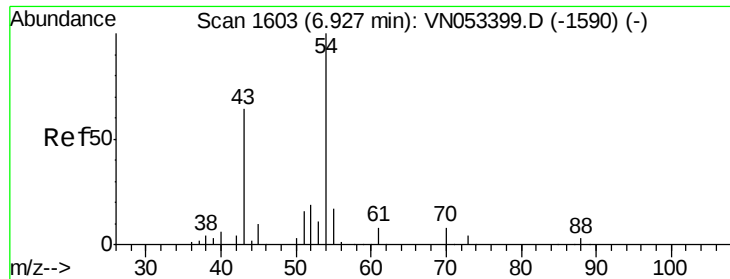
MMDadoda
 1/23/2019 11:00:34 AM



#36
 1,1-Dichloropropene
 Concen: 52.832 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN053508.D
 Acq: 22 Jan 2019 10:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	562074		
110	37.0	18.1	54.3	
77	31.2	25.1	37.7	





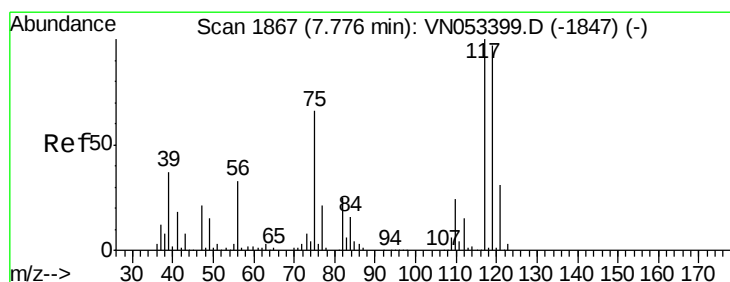
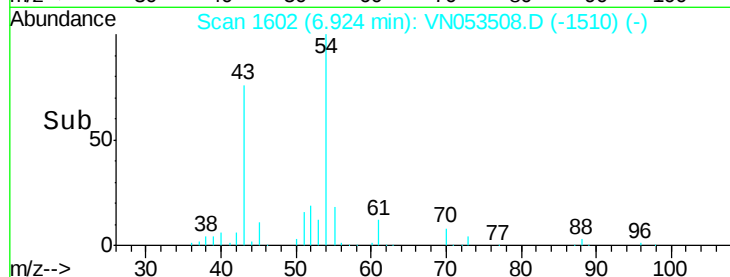
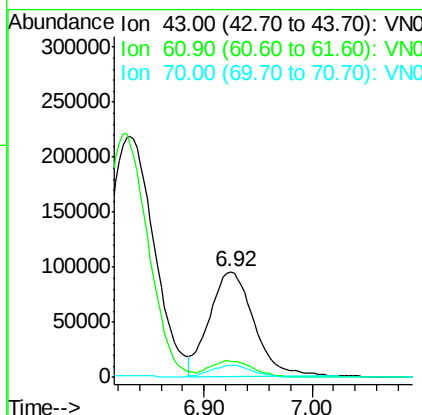
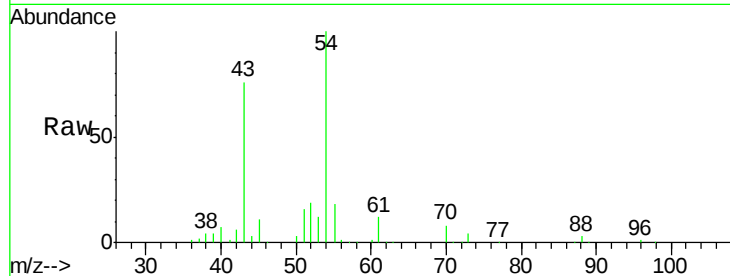
#37
Ethyl Acetate
Concen: 44.667 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.8	17.6
70	10.9	8.6	12.8

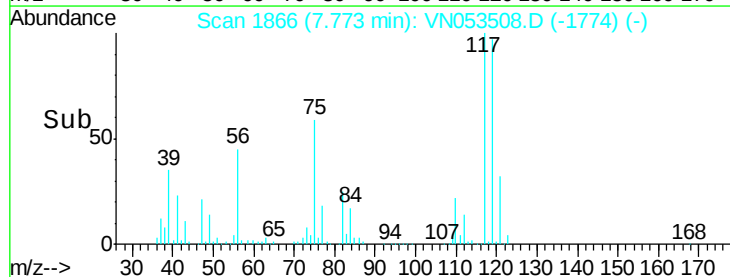
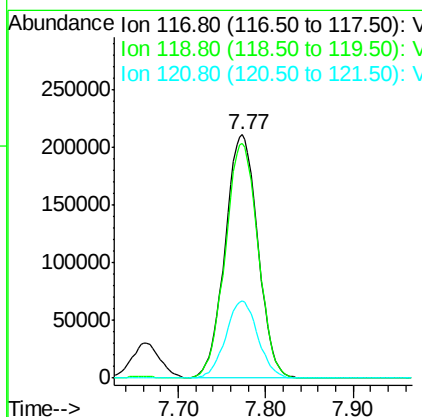
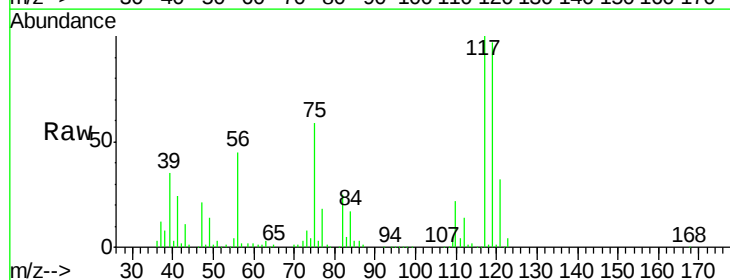
Manual Integrations
APPROVED

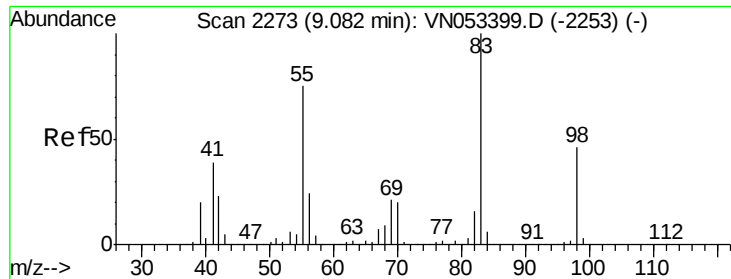
MMDadoda
1/23/2019 11:00:34 AM



#38
Carbon Tetrachloride
Concen: 54.216 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.2	115.8
121	31.6	24.6	37.0





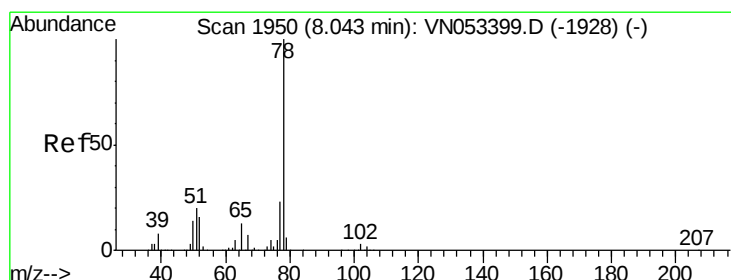
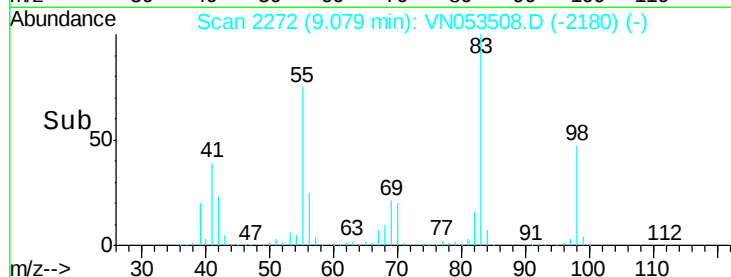
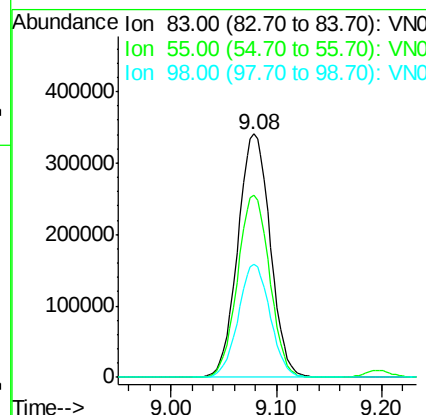
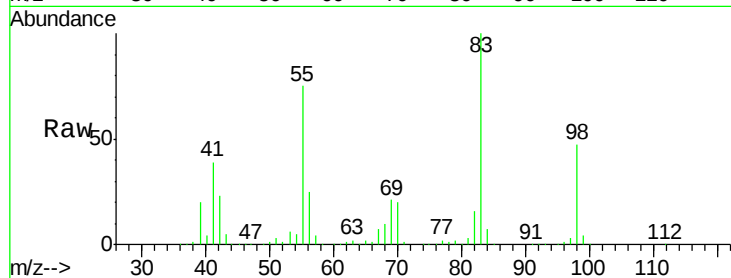
#39
Methvlcvclohexane
Concen: 55.182 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.0	60.1	90.1
98	46.6	36.6	55.0

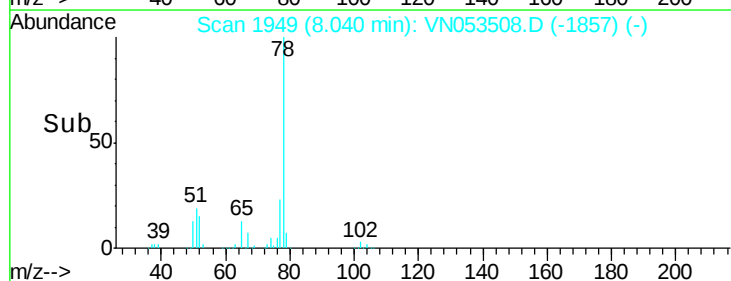
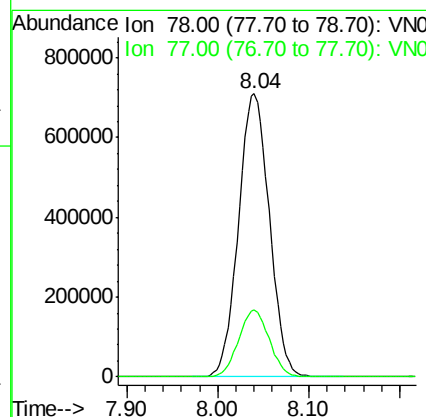
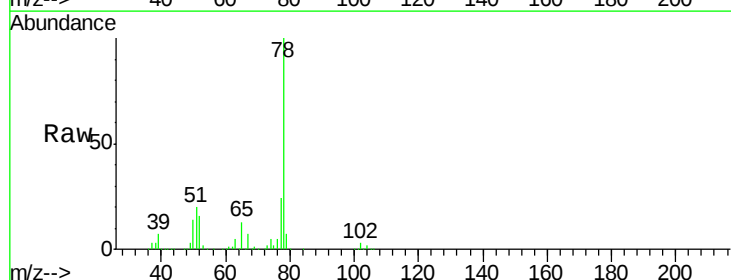
Manual Integrations
APPROVED

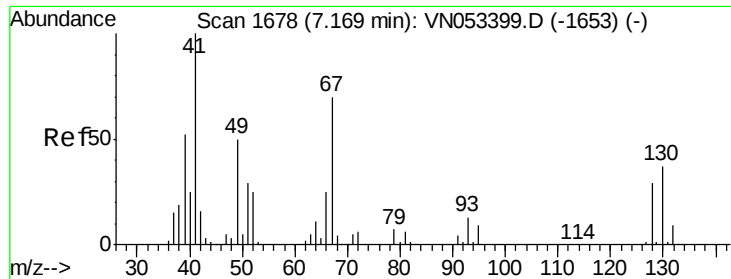
MMDadoda
1/23/2019 11:00:34 AM



#40
Benzene
Concen: 51.839 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2





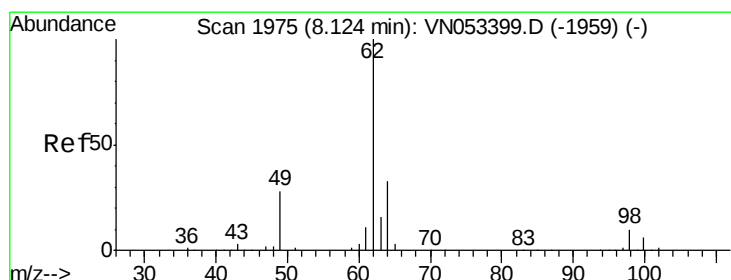
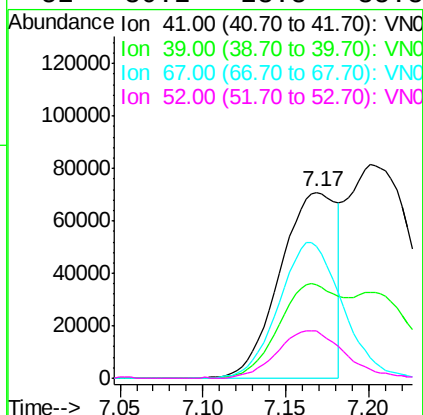
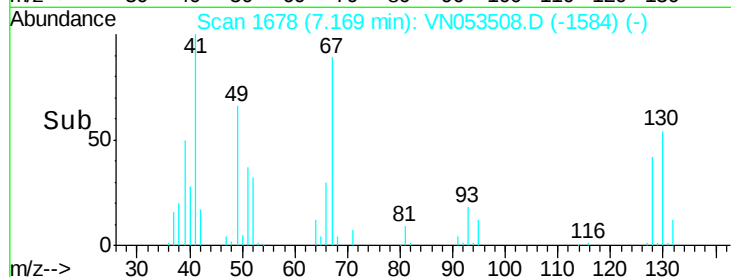
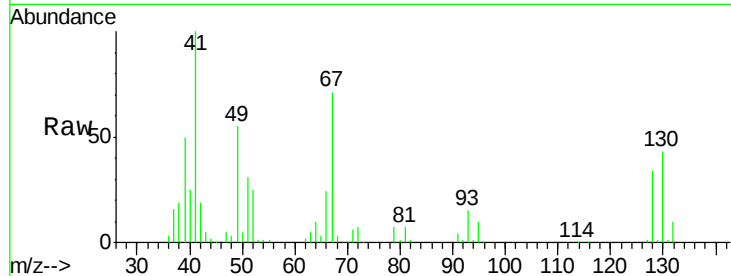
#41
Methacrylonitrile
Concen: 46.194 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.2	46.8	70.2	
67	82.9	63.0	94.6	
52	30.2	23.8	35.8	

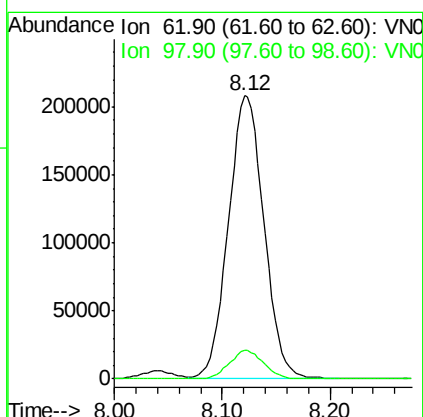
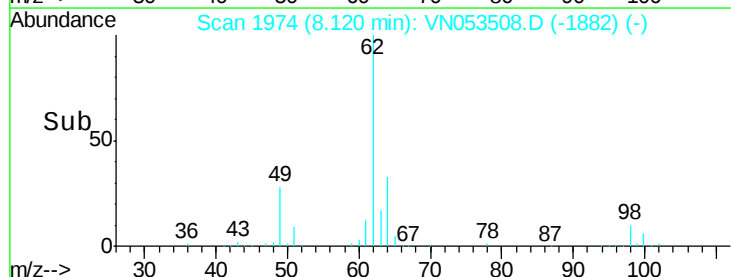
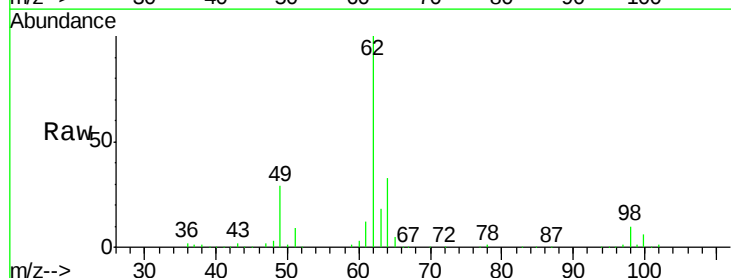
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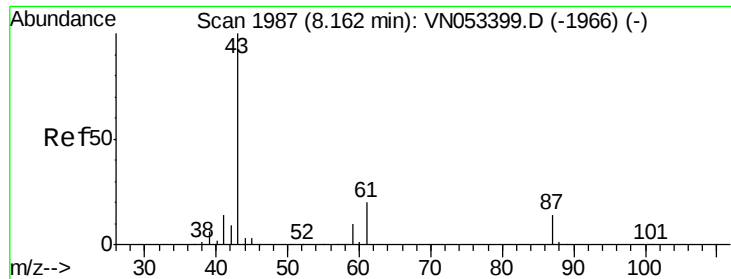
MMDadoda
1/23/2019 11:00:34 AM



#42
1,2-Dichloroethane
Concen: 50.538 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.8	0.0	19.6	





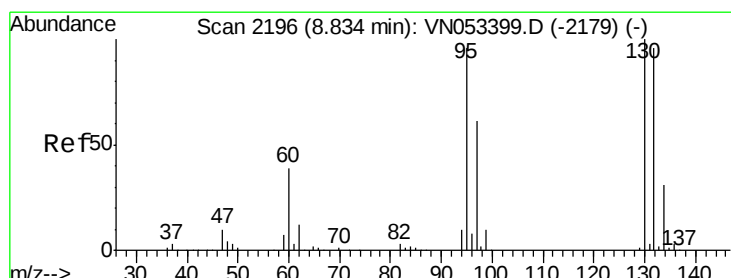
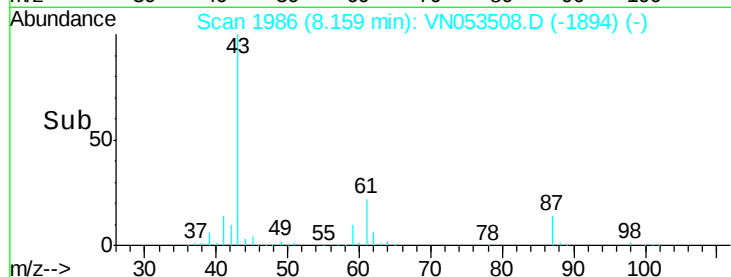
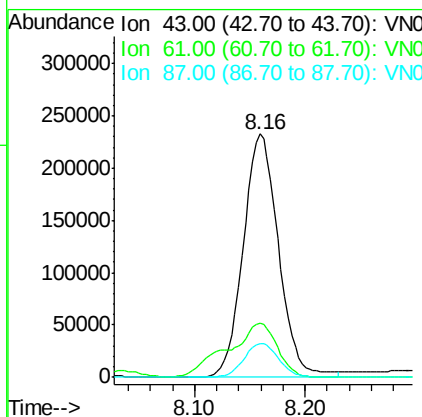
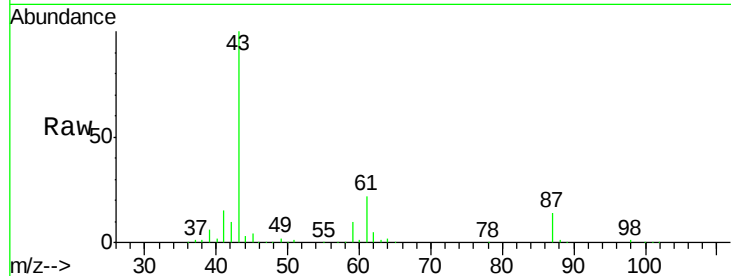
#43
Isopropyl Acetate
Concen: 46.713 ug/l
RT: 8.16 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.3	23.9	35.9
87	13.8	11.0	16.6

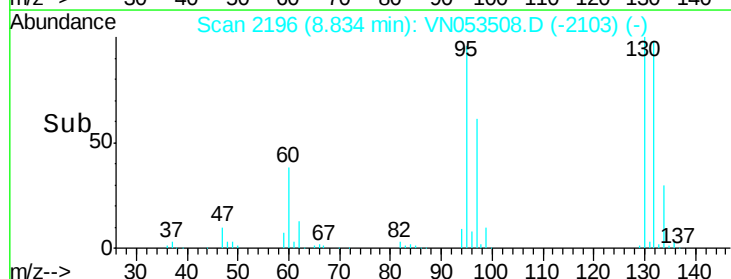
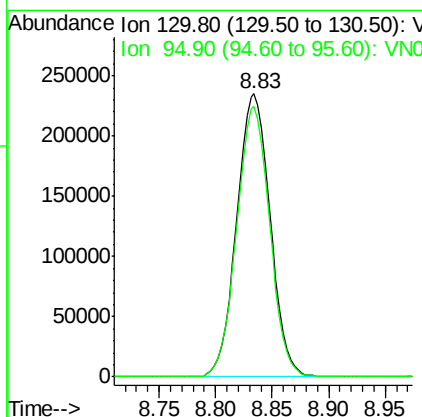
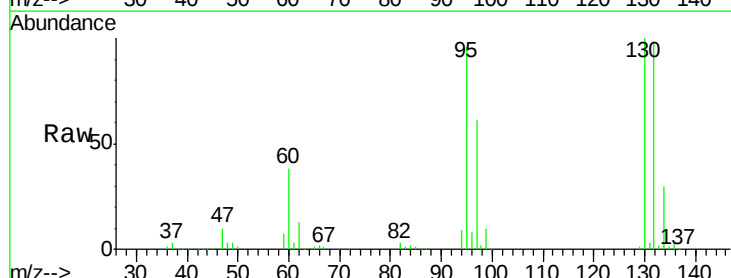
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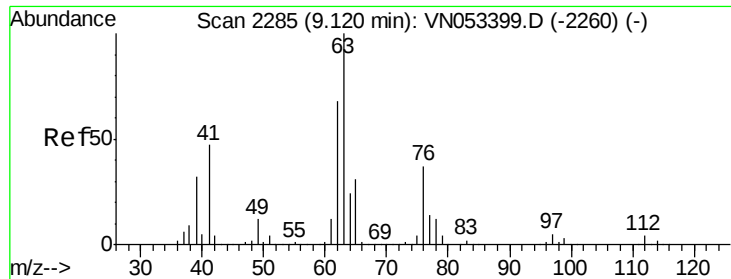
MMDadoda
1/23/2019 11:00:34 AM



#44
Trichloroethene
Concen: 54.025 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	191.4





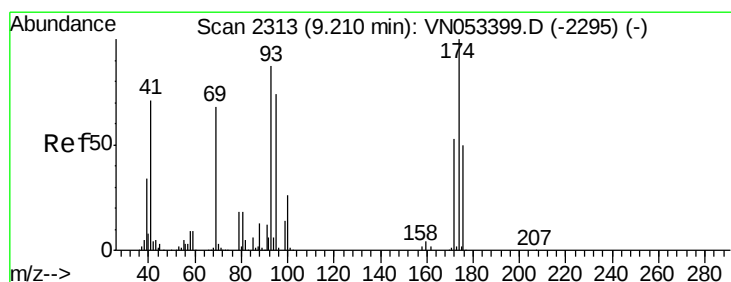
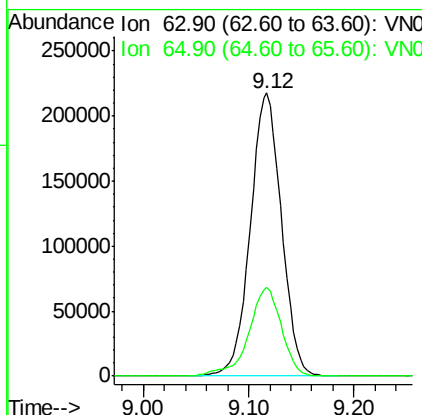
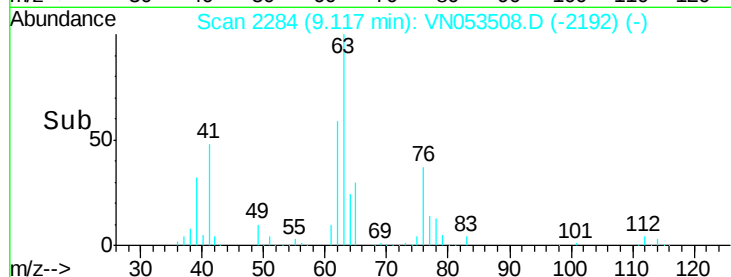
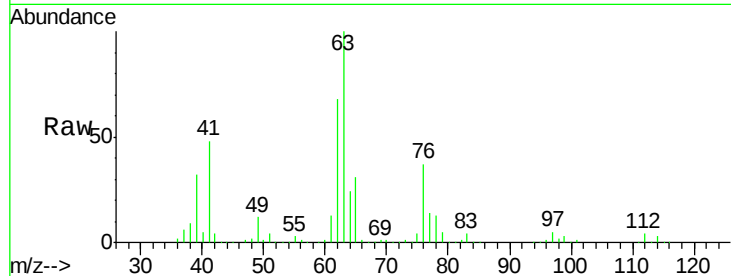
#45
 1,2-Dichloropropane
 Concen: 52.199 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053508.D
 Acq: 22 Jan 2019 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 446988
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.0 37.4

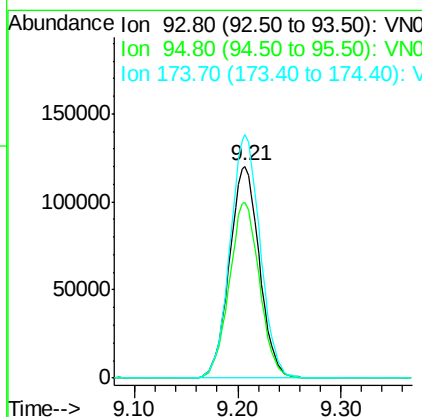
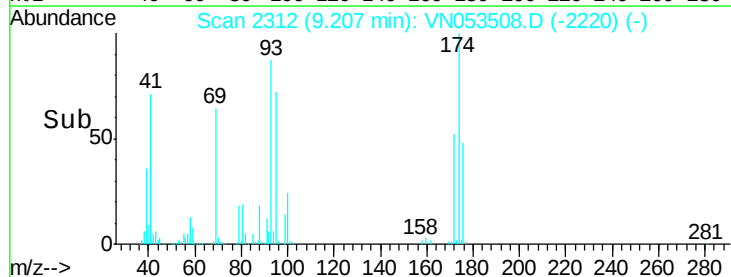
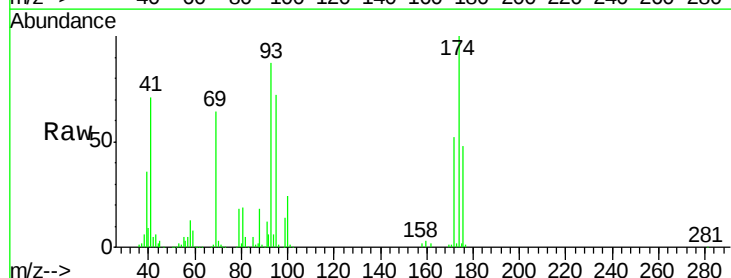
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#46
 Dibromomethane
 Concen: 49.479 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053508.D
 Acq: 22 Jan 2019 10:09

Tgt Ion: 93 Resp: 243431
 Ion Ratio Lower Upper
 93 100
 95 83.3 67.3 100.9
 174 115.4 91.0 136.4





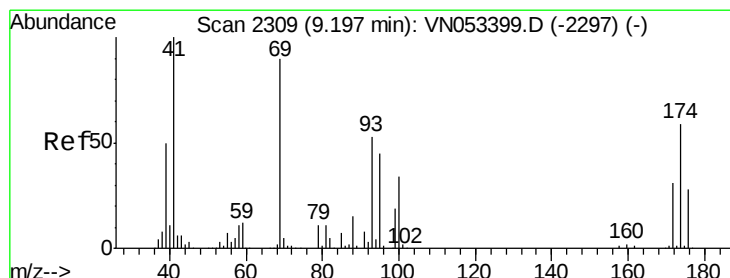
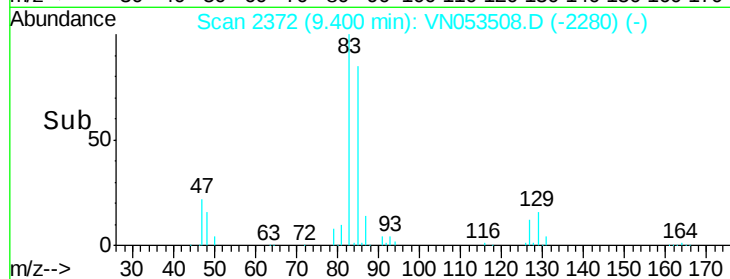
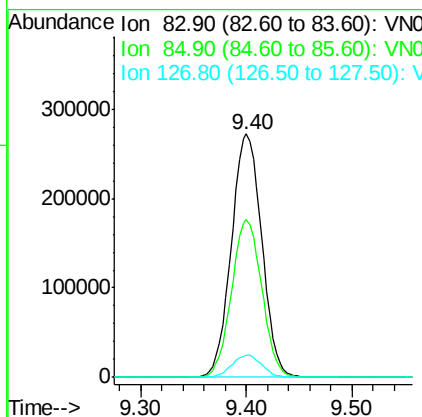
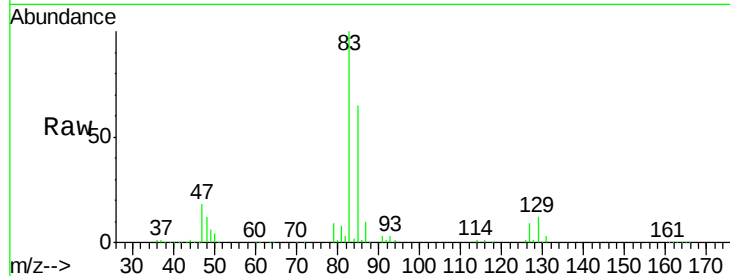
#47
Bromodichloromethane
Concen: 52.609 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	544313		
85	64.7		51.0	76.6
127	9.2		7.0	10.6

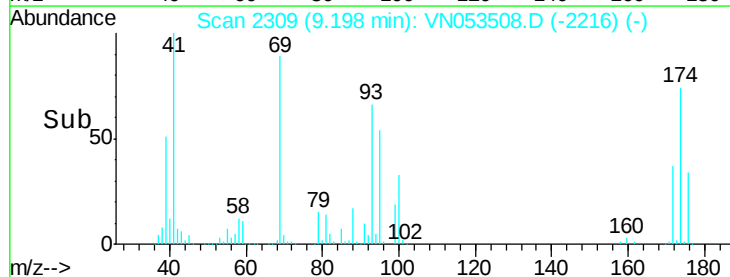
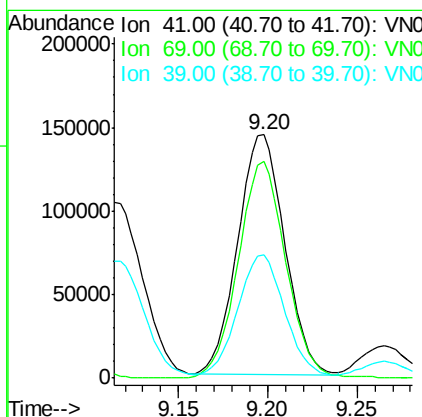
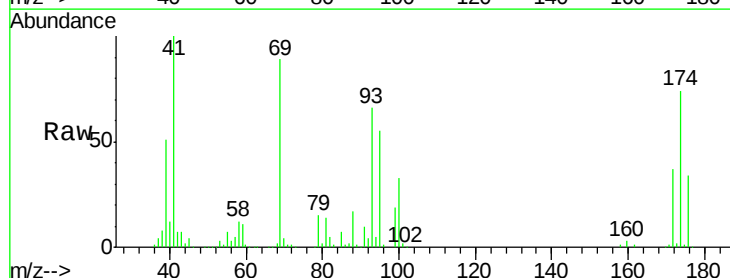
Manual Integrations
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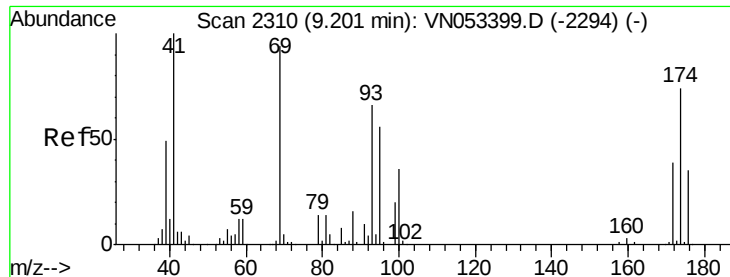
MMDadoda
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#48
Methyl methacrylate
Concen: 46.661 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	265160		
69	91.7		73.8	110.6
39	49.5		40.0	60.0





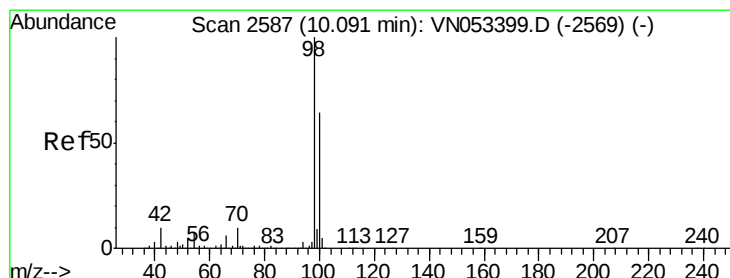
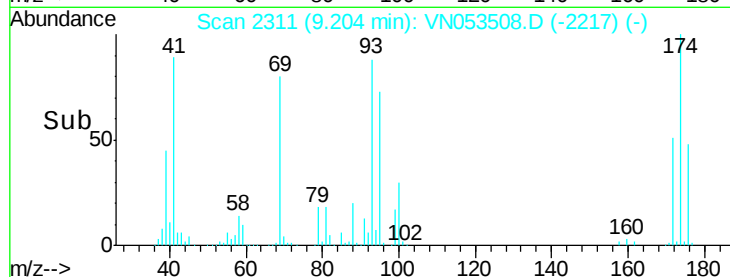
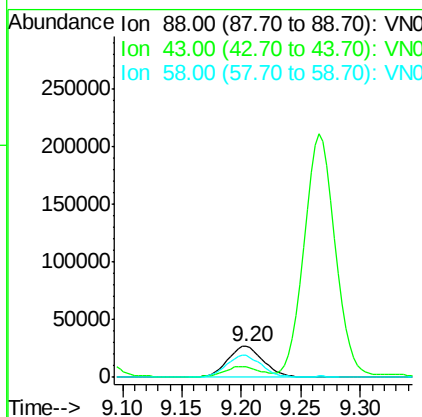
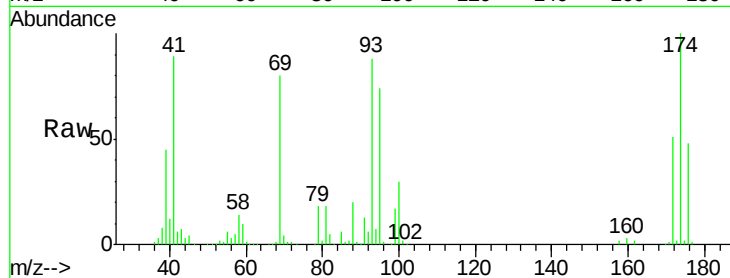
#49
1,4-Dioxane
Concen: 1027.449 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	57022
Ion	Ratio	Lower	Upper
88	100		
43	32.1	27.8	41.6
58	70.4	56.5	84.7

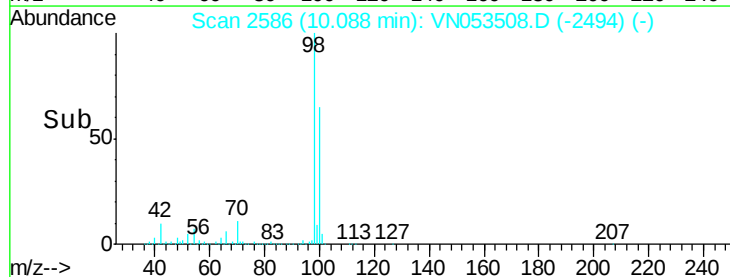
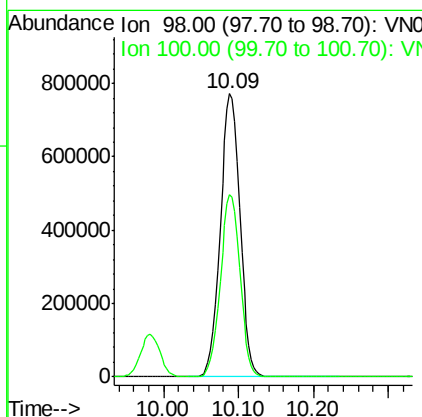
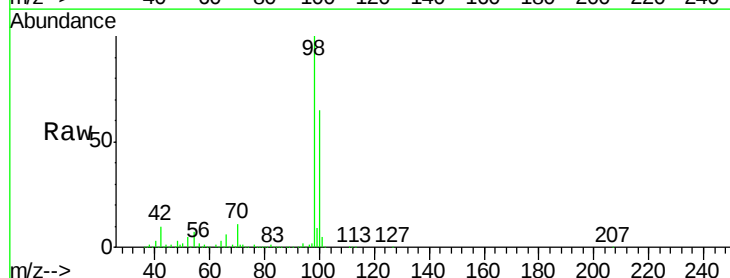
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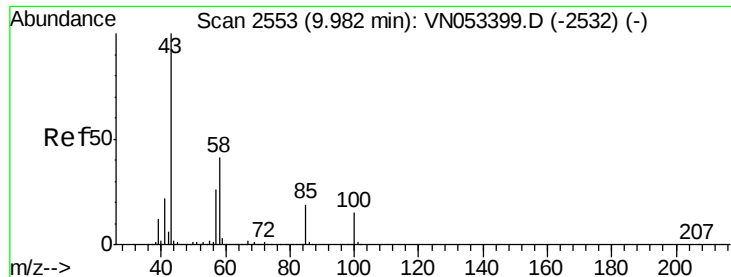
MMDadoda
1/23/2019 11:00:34 AM



#50
Toluene-d8
Concen: 1027.449 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Tgt Ion	98	Resp	1400829
Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 226.651 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 1361757

Ion Ratio Lower Upper

43 100

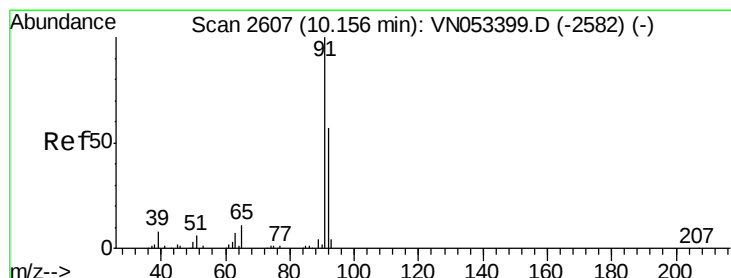
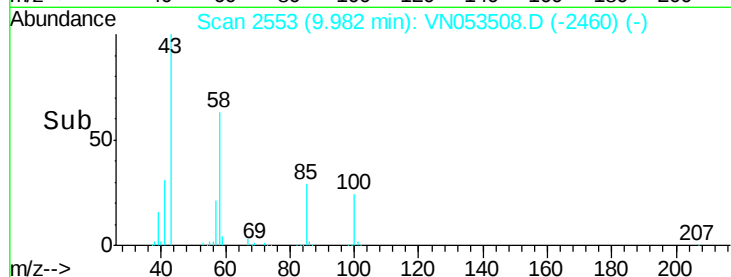
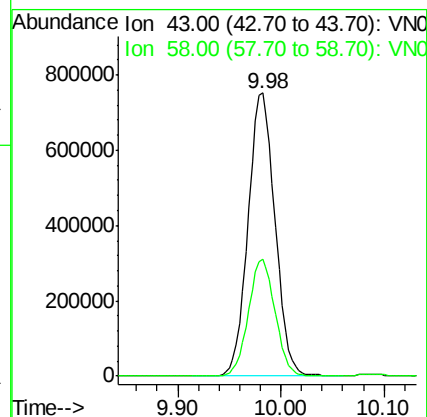
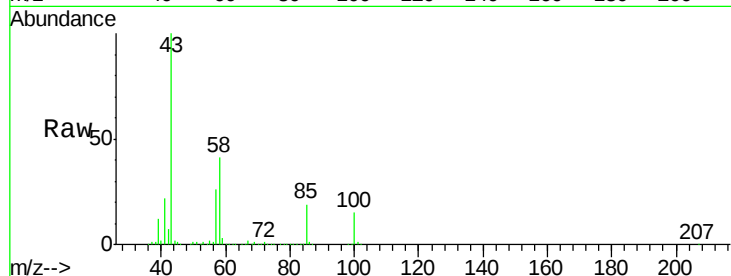
58 40.8 32.8 49.2

Manual Integrations

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1/23/2019 11:00:34 AM



#52

Toluene

Concen: 52.098 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN053508.D

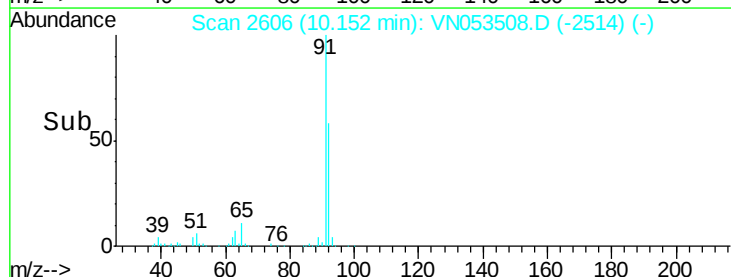
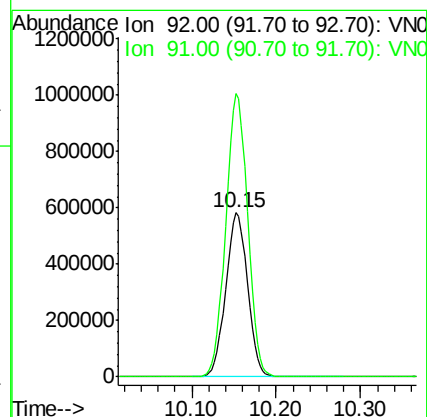
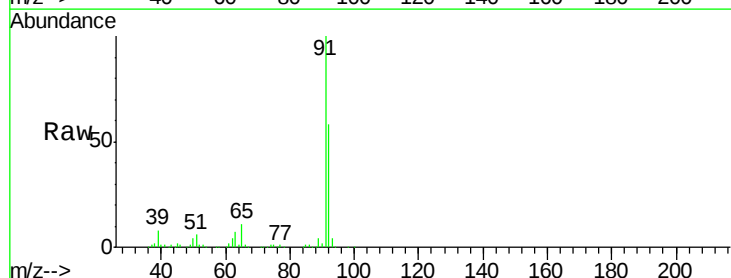
Acq: 22 Jan 2019 10:09

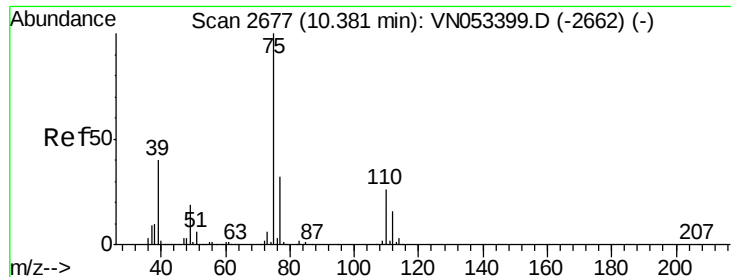
Tgt Ion: 92 Resp: 1045658

Ion Ratio Lower Upper

92 100

91 173.4 139.9 209.9





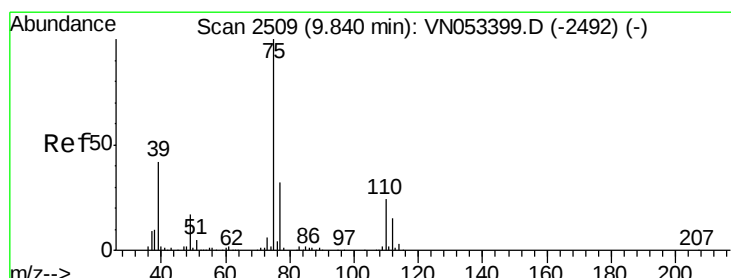
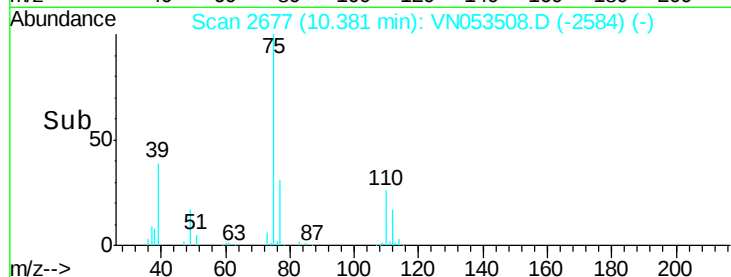
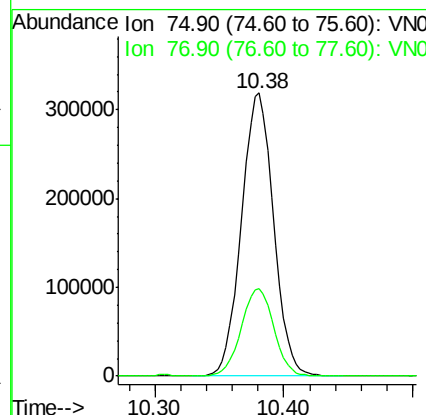
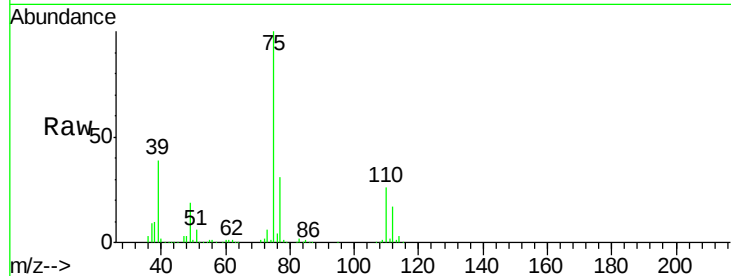
#53
t-1,3-Dichloropropene
Concen: 52.659 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.5	38.3

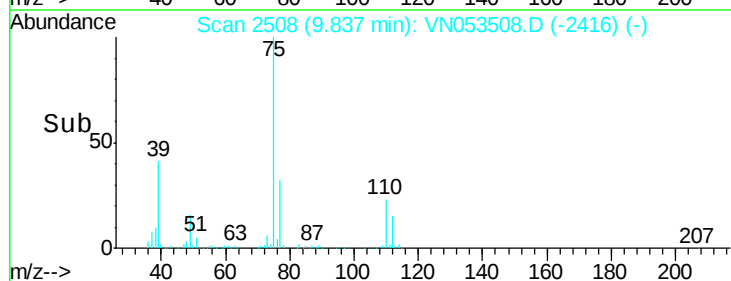
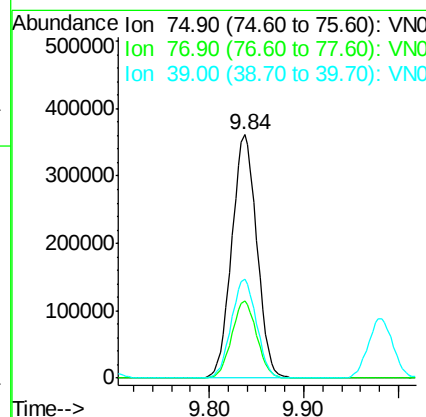
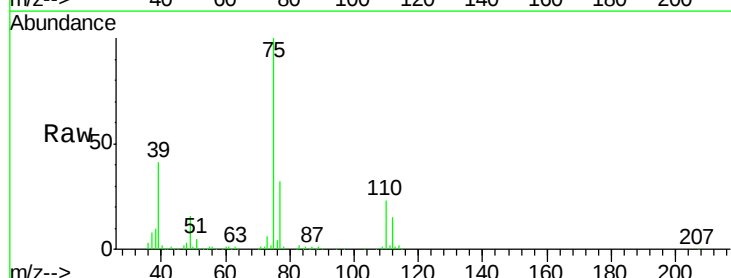
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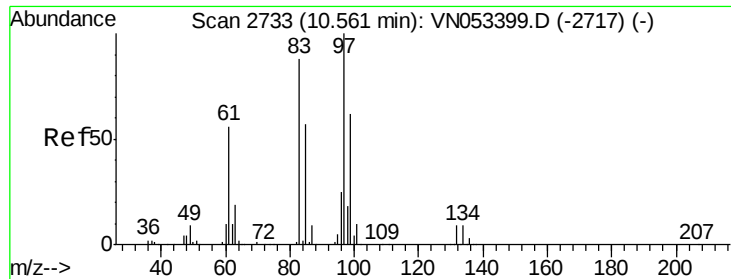
MMDadoda
1/23/2019 11:00:34 AM



#54
cis-1,3-Dichloropropene
Concen: 54.164 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.8	38.6
39	40.5	33.4	50.0





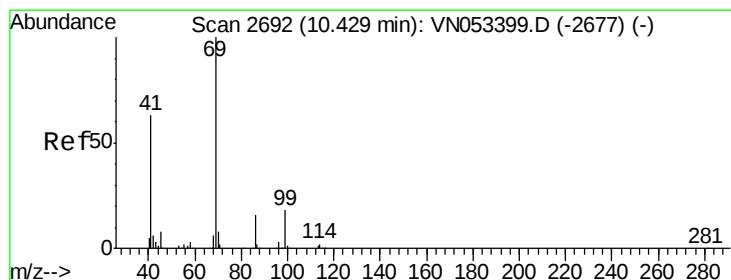
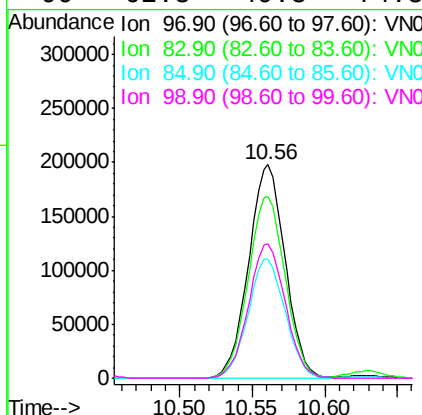
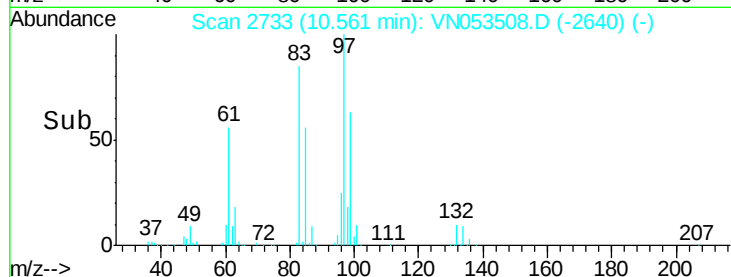
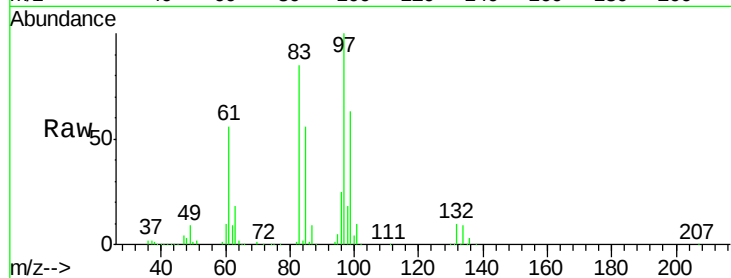
#55
 1,1,2-Trichloroethane
 Concen: 50.321 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053508.D
 Acq: 22 Jan 2019 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	348207
Ion	Ratio	Lower	Upper
97	100		
83	85.4	70.1	105.1
85	55.8	45.4	68.0
99	62.8	49.8	74.8

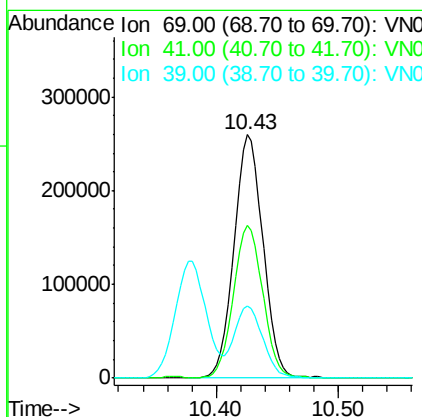
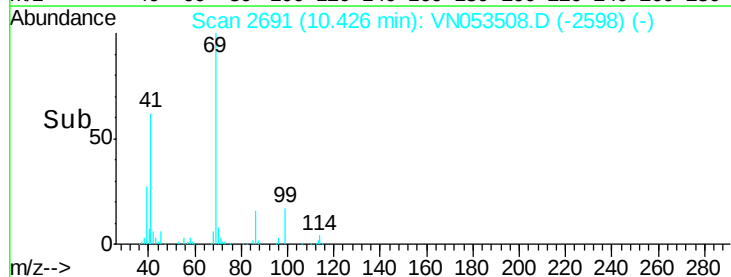
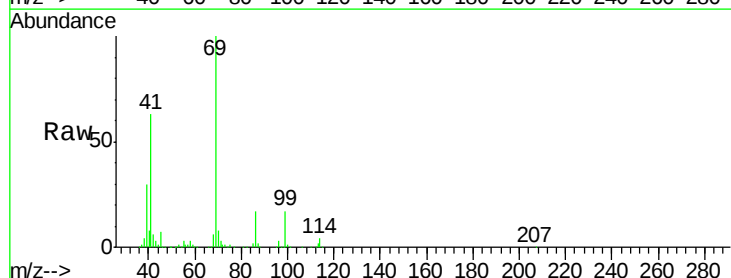
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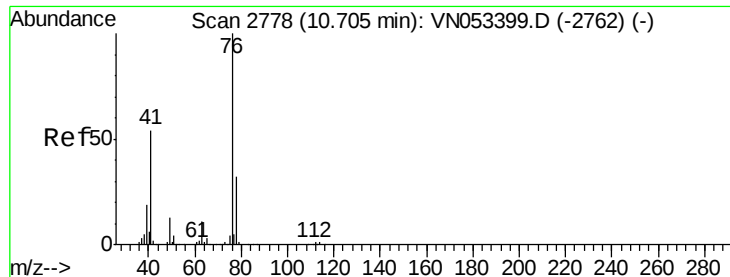
MMDadoda
 1/23/2019 11:00:34 AM



#56
 Ethyl methacrylate
 Concen: 43.988 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN053508.D
 Acq: 22 Jan 2019 10:09

Tgt Ion:	69	Resp:	429446
Ion	Ratio	Lower	Upper
69	100		
41	62.9	49.4	74.0
39	28.7	23.3	34.9





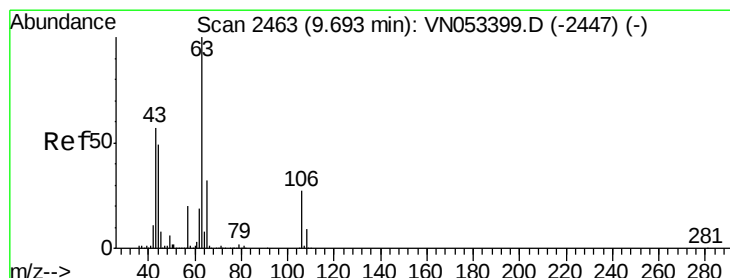
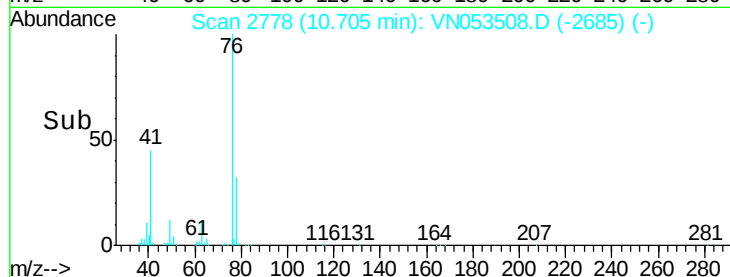
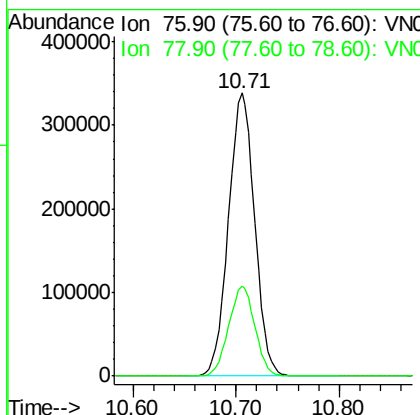
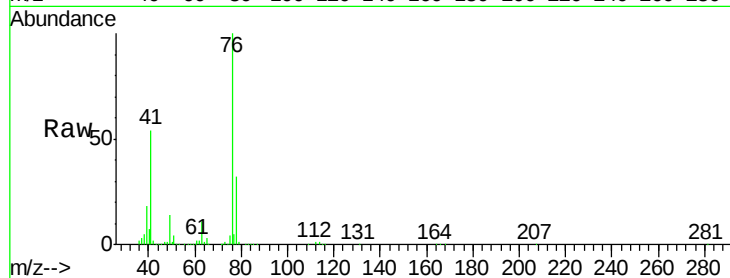
#57
 1,3-Dichloropropane
 Concen: 50.013 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN053508.D
 Acq: 22 Jan 2019 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 598675
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.6 38.4

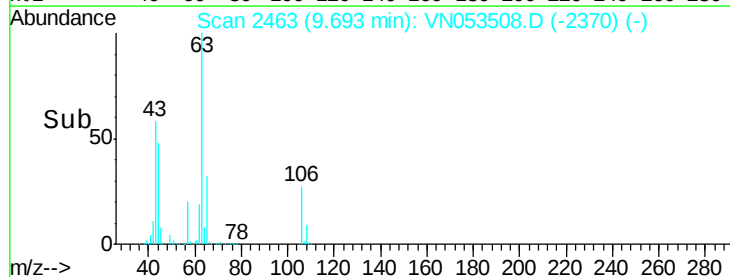
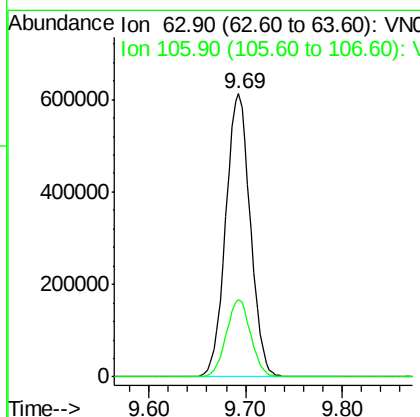
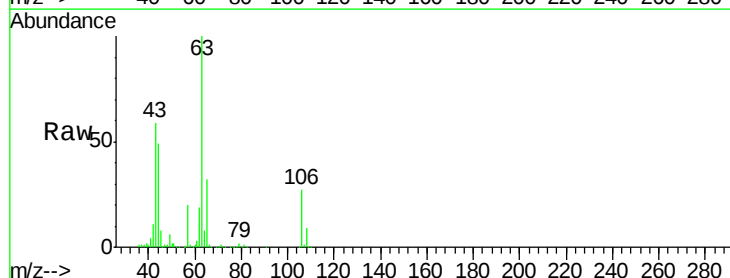
Manual Integrations
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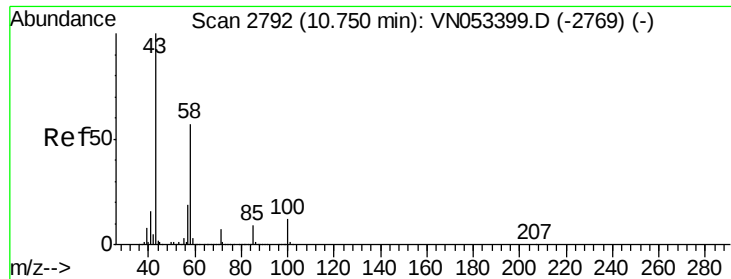
MMDadoda
 1/23/2019 11:00:34 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 223.086 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN053508.D
 Acq: 22 Jan 2019 10:09

Tgt Ion: 63 Resp: 1079956
 Ion Ratio Lower Upper
 63 100
 106 27.2 21.5 32.3





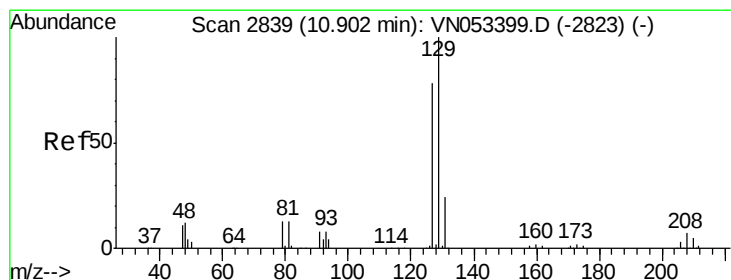
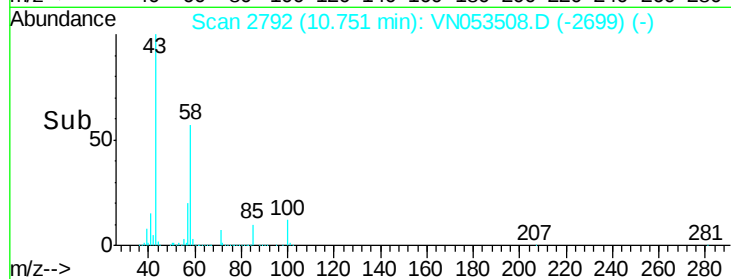
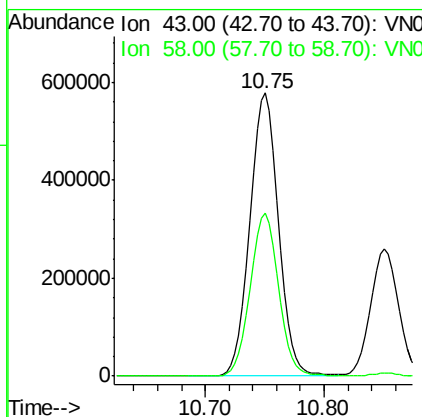
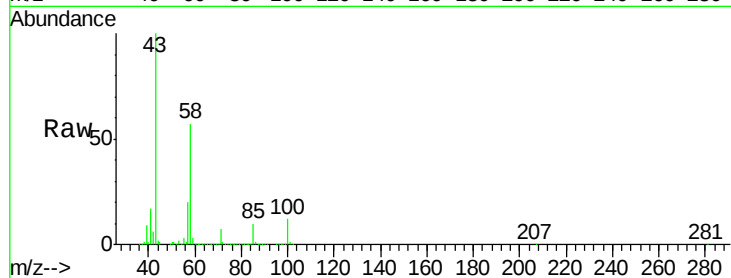
#59
2-Hexanone
Concen: 228.321 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 962981
Ion Ratio Lower Upper
43 100
58 57.4 28.6 85.8

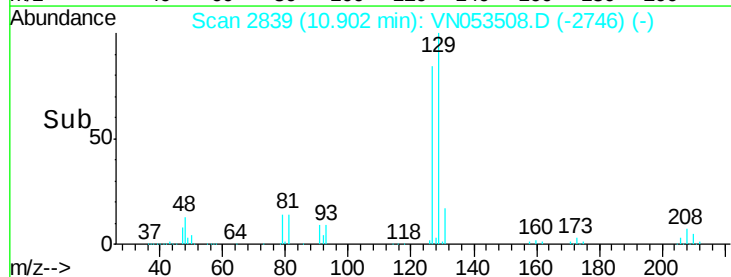
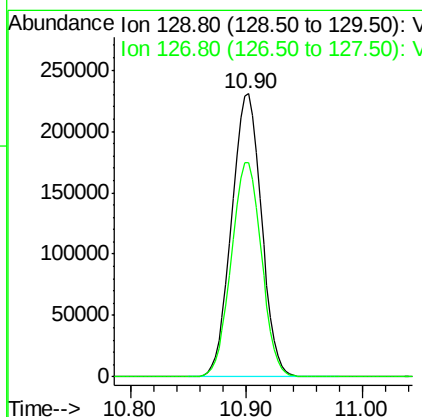
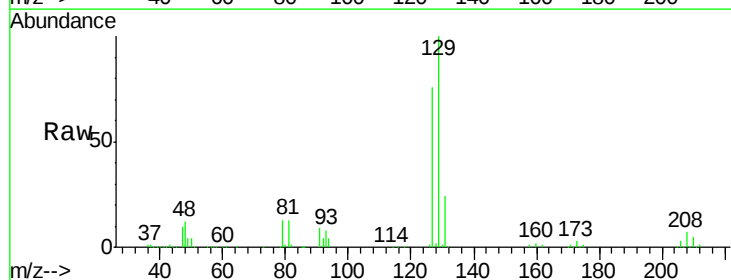
Manual Integrations
APPROVED

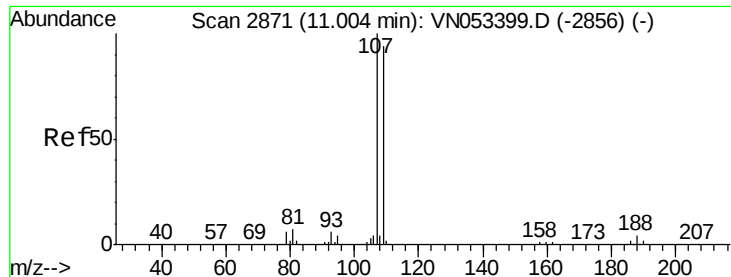
MMDadoda
1/23/2019 11:00:34 AM



#60
Dibromochloromethane
Concen: 52.368 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Tgt Ion:129 Resp: 411009
Ion Ratio Lower Upper
129 100
127 76.4 38.6 115.8





#61

1,2-Dibromoethane

Concen: 48.899 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 342209

Ion Ratio Lower Upper

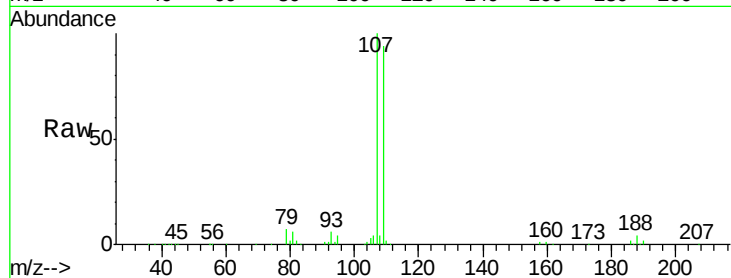
107 100

109 94.5 75.7 113.5

Manual Integrations
APPROVED

MMDadoda

1/23/2019 11:00:34 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

200000

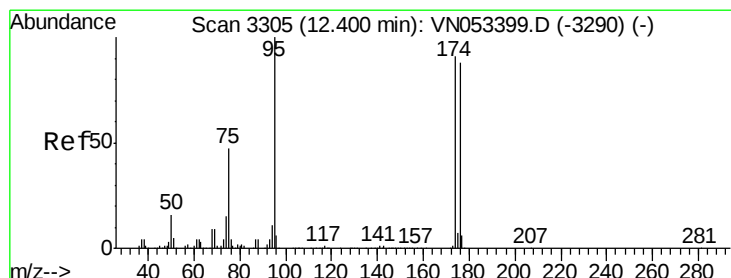
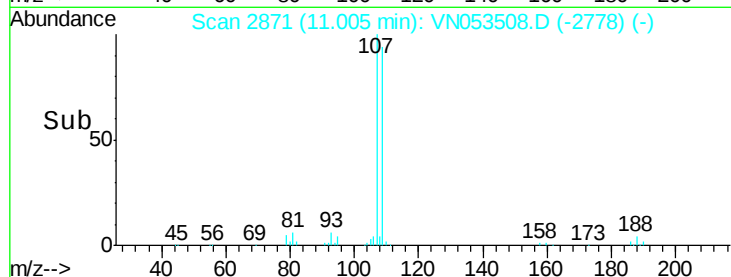
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 48.899 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

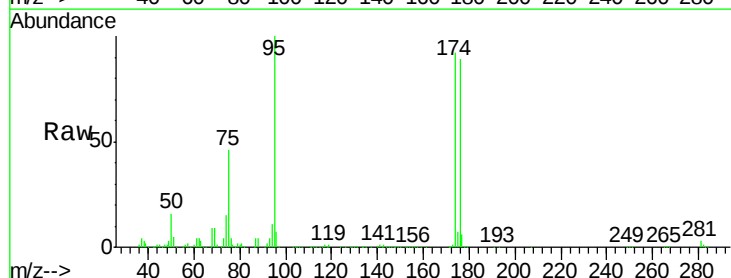
Tgt Ion: 95 Resp: 481152

Ion Ratio Lower Upper

95 100

174 91.5 0.0 183.2

176 88.9 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

400000

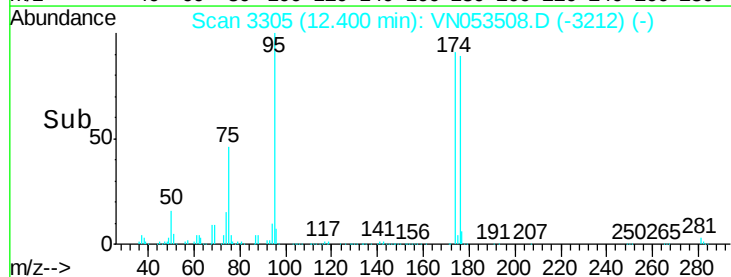
300000

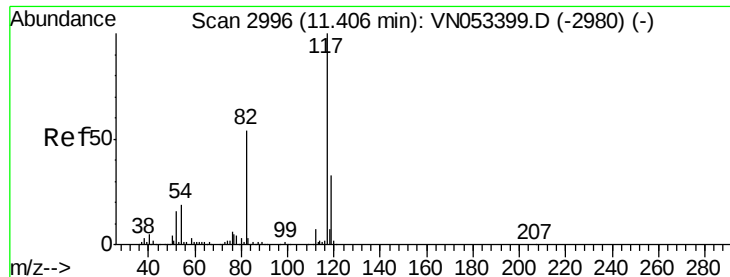
200000

100000

0

Time--> 12.30 12.35 12.40 12.45





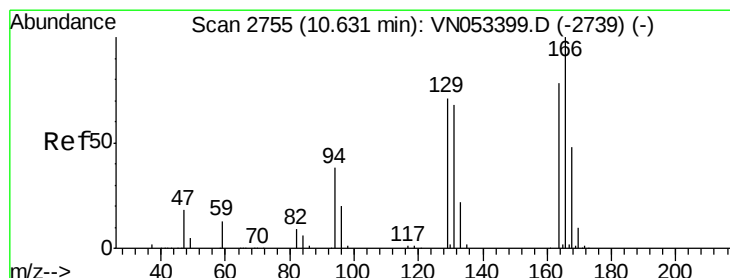
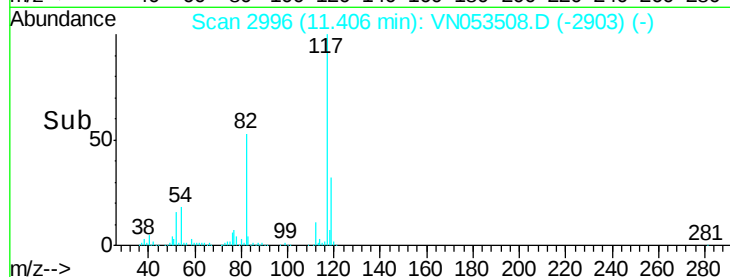
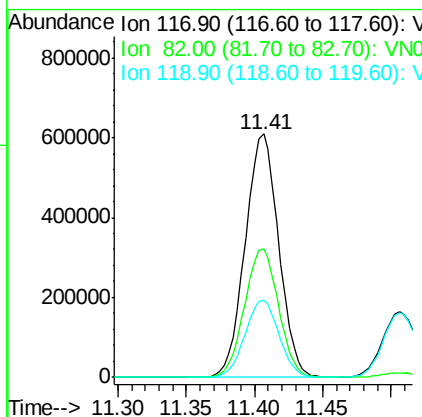
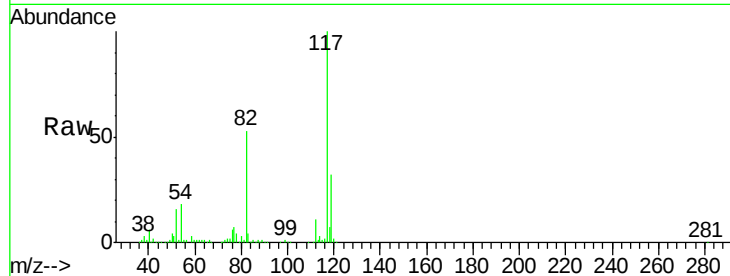
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1039113
Ion Ratio Lower Upper
117 100
82 52.7 42.9 64.3
119 31.9 26.0 39.0

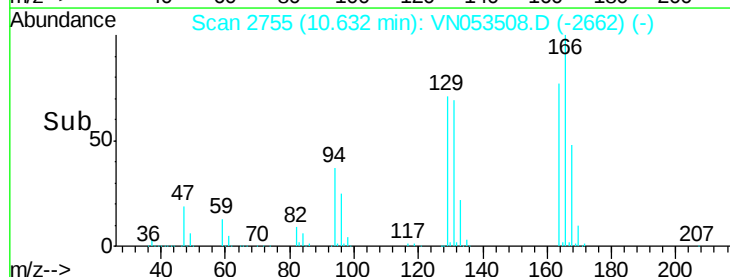
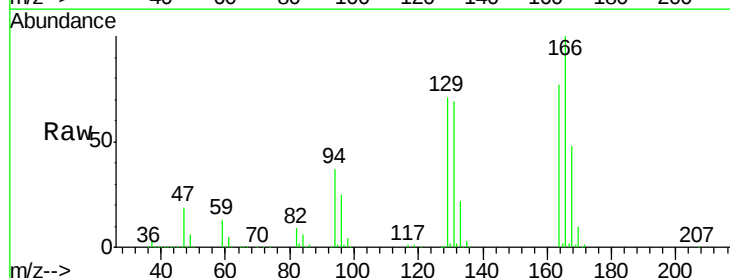
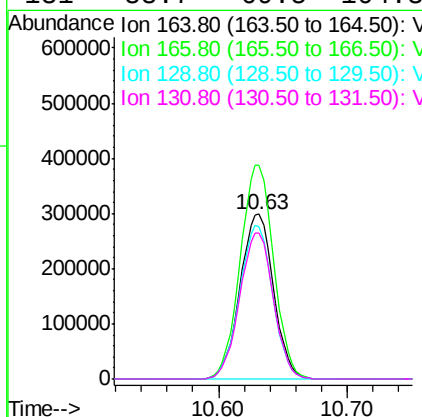
Manual Integrations
APPROVED

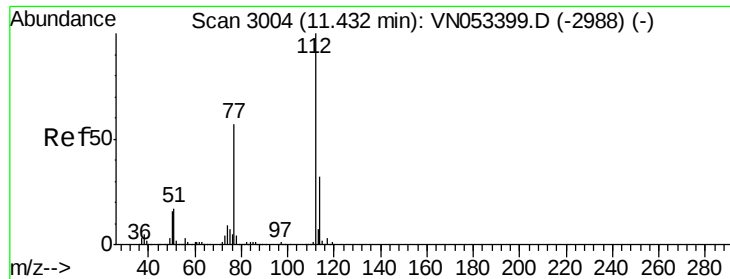
MMDadoda
1/23/2019 11:00:34 AM



#64
Tetrachloroethene
Concen: 55.067 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Tgt Ion:164 Resp: 539239
Ion Ratio Lower Upper
164 100
166 129.4 102.2 153.4
129 92.3 72.6 109.0
131 88.7 69.5 104.3





#65

Chlorobenzene

Concen: 53.428 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:112 Resp: 1175114

Ion Ratio Lower Upper

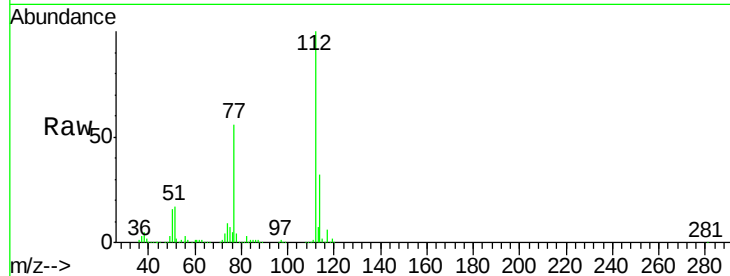
112 100

114 32.0 25.3 37.9

Manual Integrations
APPROVED

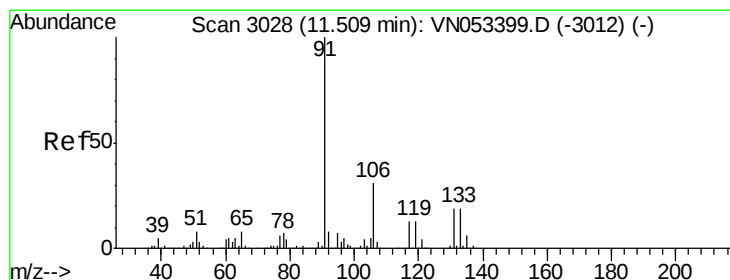
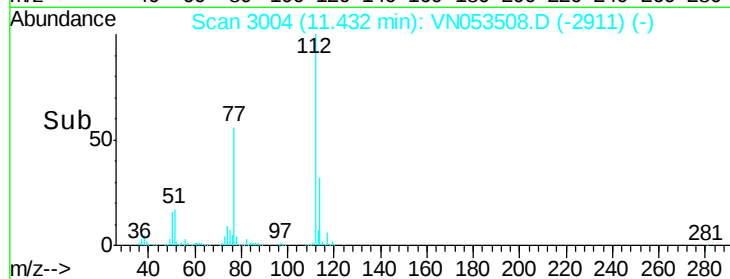
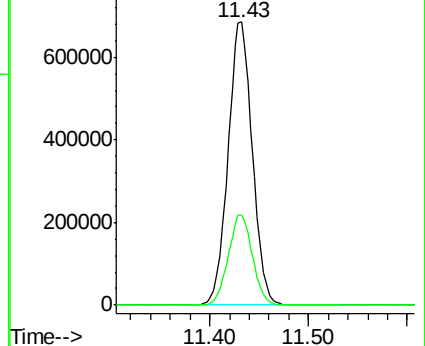
MMDadoda

1/23/2019 11:00:34 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 54.604 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

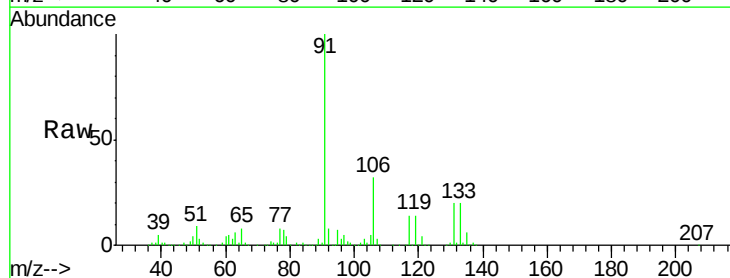
Tgt Ion:131 Resp: 417809

Ion Ratio Lower Upper

131 100

133 96.4 48.0 144.0

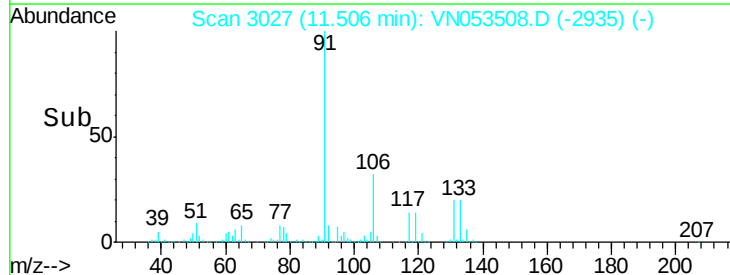
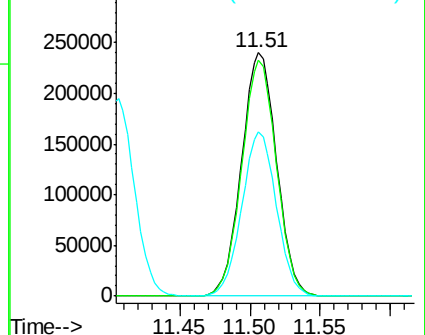
119 66.7 33.5 100.5

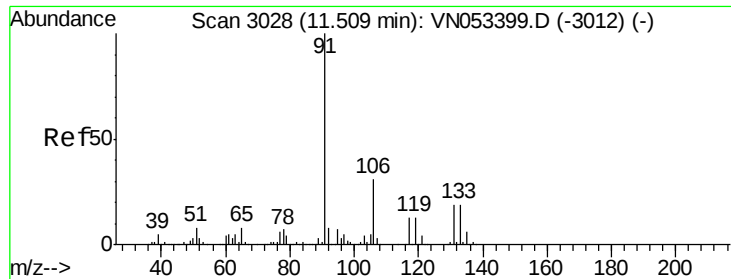


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





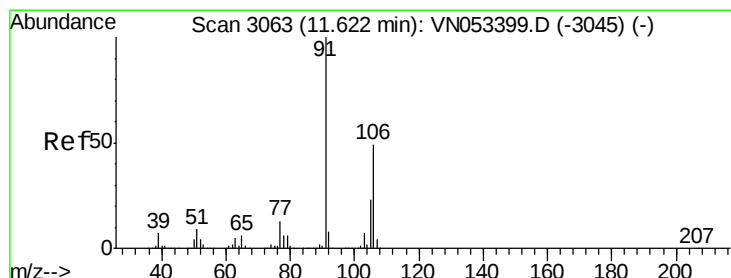
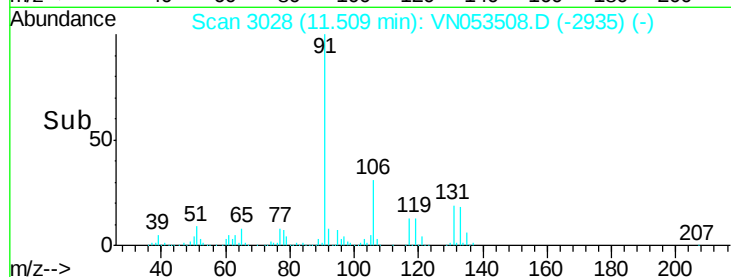
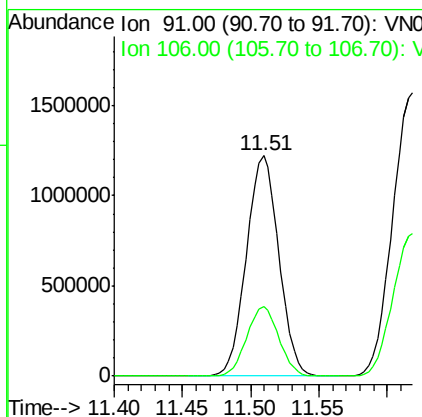
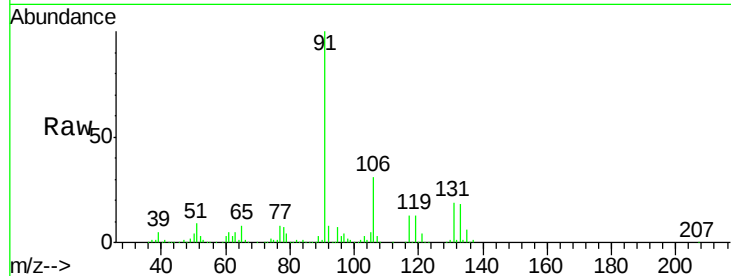
#67
Ethyl Benzene
Concen: 53.797 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2016513
Ion Ratio Lower Upper
91 100
106 31.5 25.0 37.6

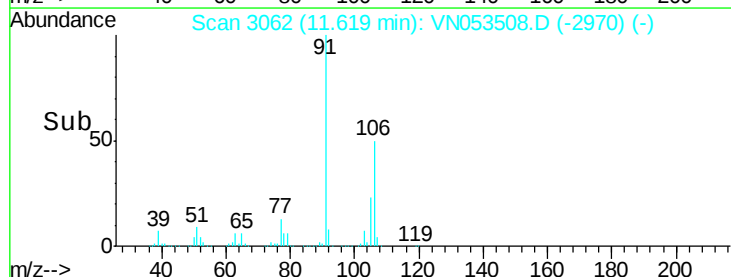
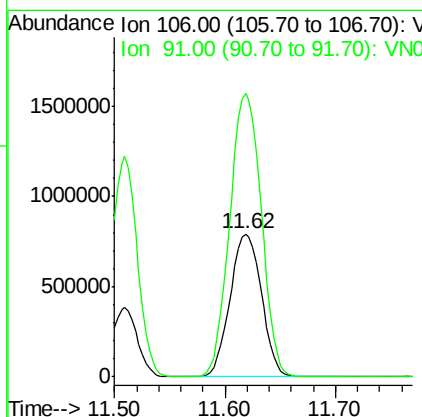
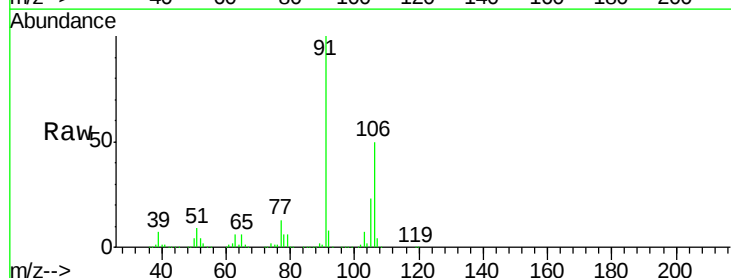
Manual Integrations
APPROVED

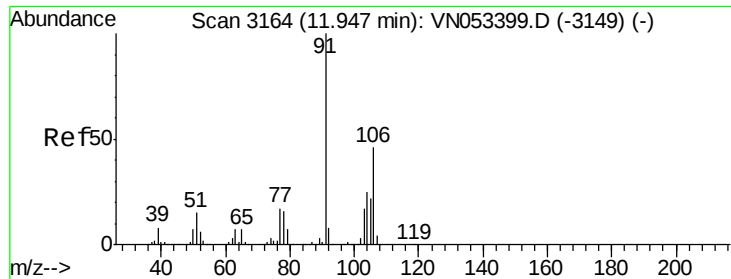
MMDadoda
1/23/2019 11:00:34 AM



#68
m/p-Xylenes
Concen: 110.592 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Tgt Ion: 106 Resp: 1565138
Ion Ratio Lower Upper
106 100
91 199.2 161.4 242.2





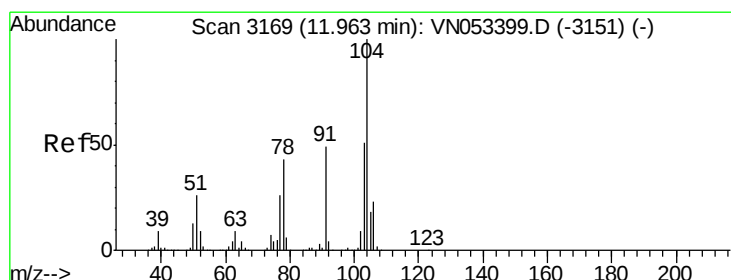
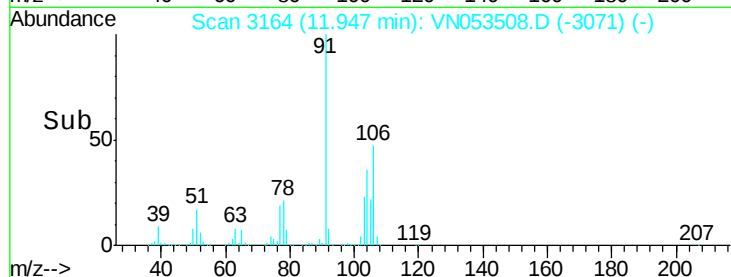
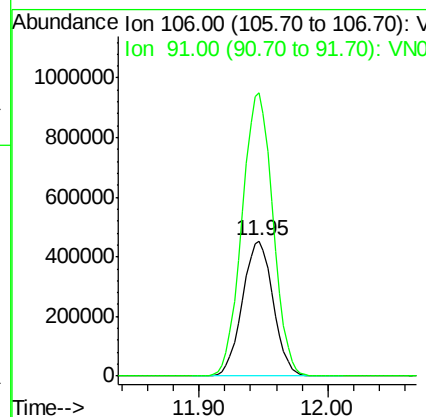
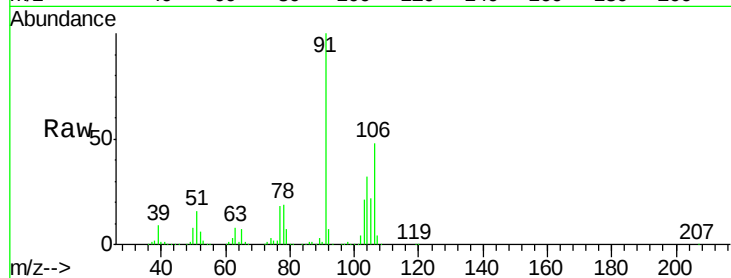
#69
o-Xylene
Concen: 54.614 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 751038
Ion Ratio Lower Upper
106 100
91 211.0 106.9 320.8

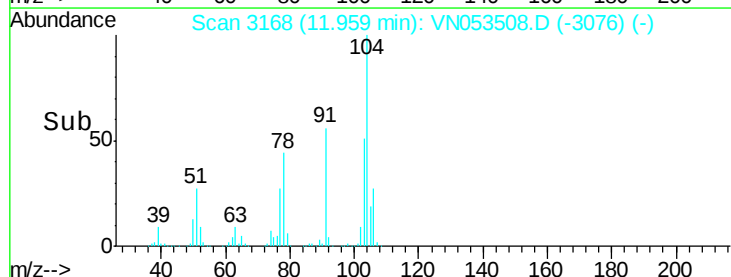
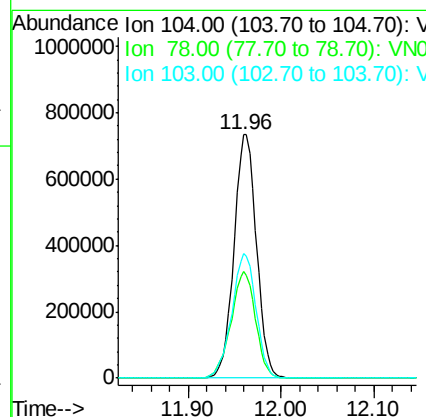
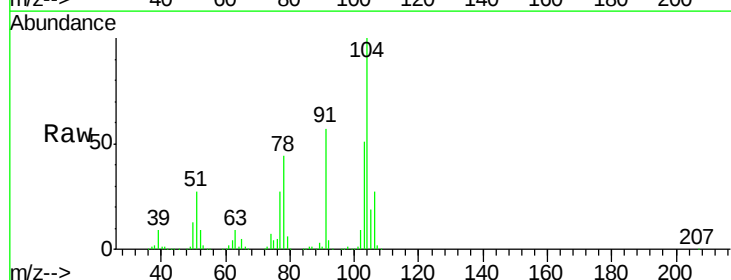
Manual Integrations
APPROVED

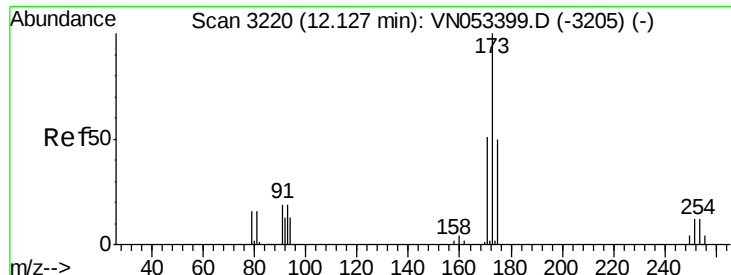
MMDadoda
1/23/2019 11:00:34 AM



#70
Styrene
Concen: 55.222 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Tgt Ion:104 Resp: 1232483
Ion Ratio Lower Upper
104 100
78 47.8 38.2 57.2
103 55.2 44.4 66.6





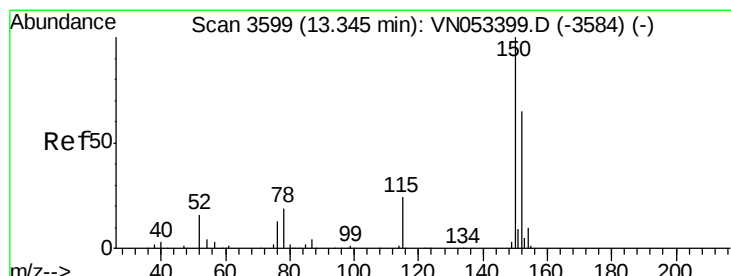
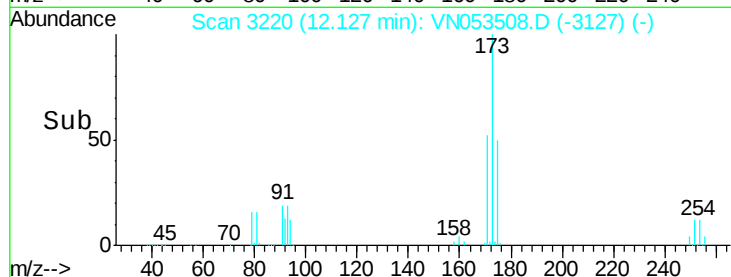
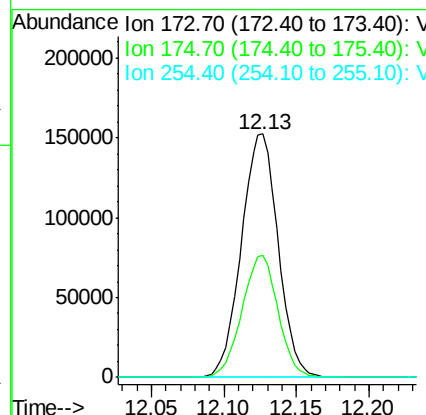
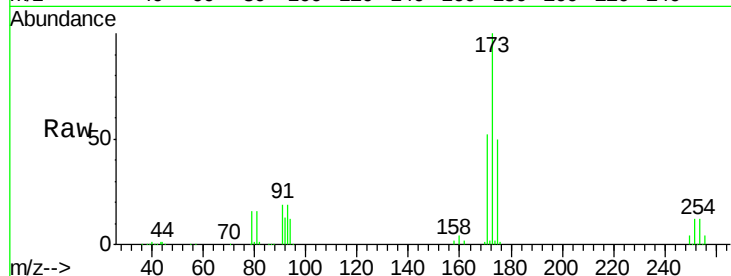
#71
Bromoform
Concen: 50.928 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.6	74.0
254	0.1	0.2	0.2#

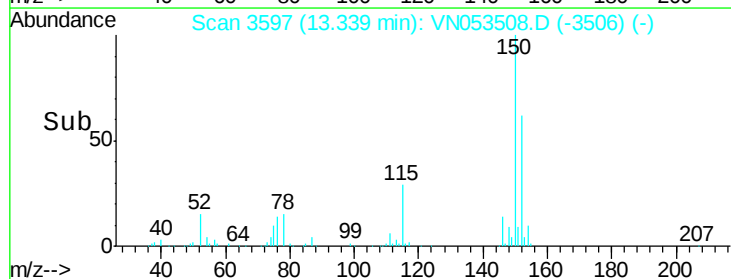
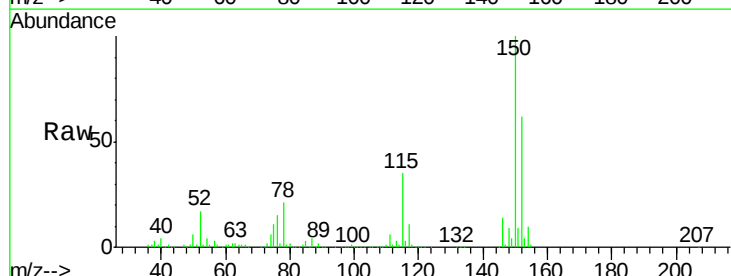
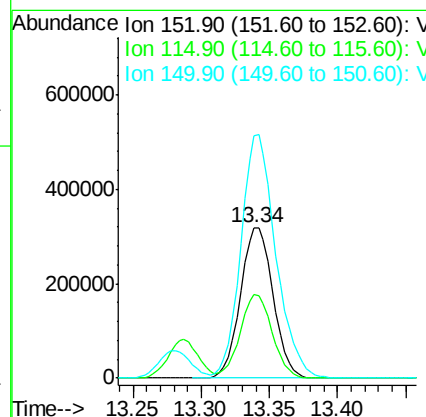
Manual Integrations
APPROVED

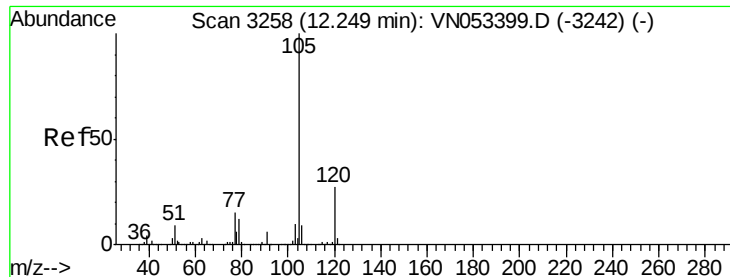
MMDadoda
1/23/2019 11:00:34 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.01 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	27.8	83.4
150	173.5	0.0	349.0





#73

Isopropylbenzene

Concen: 52.417 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 105 Resp: 2023569

Ion Ratio Lower Upper

105 100

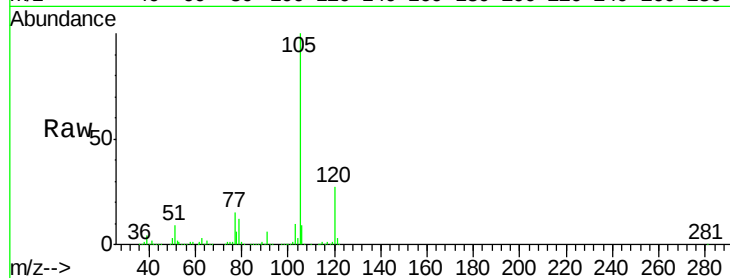
120 27.1 13.6 40.7

Manual Integrations

APPROVED

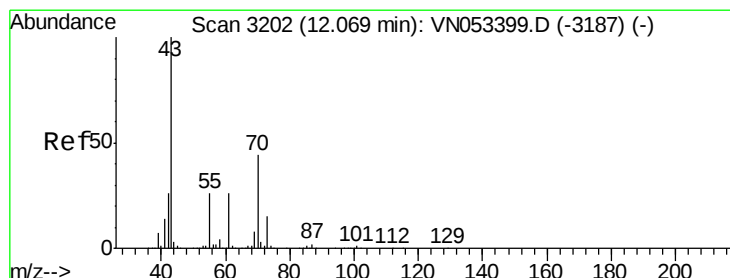
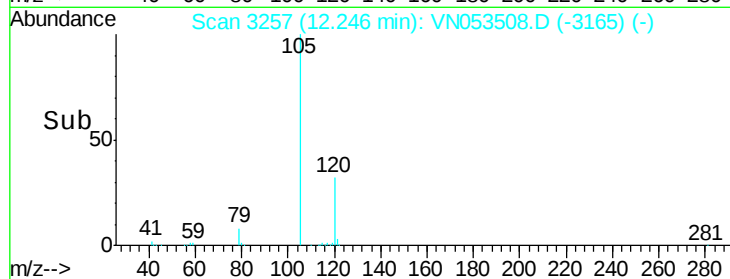
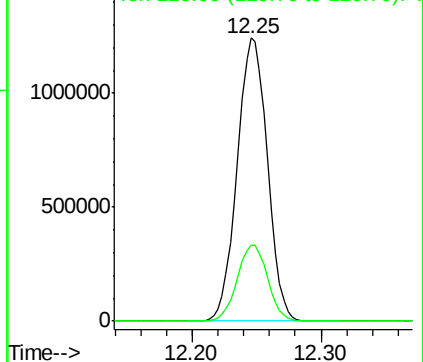
MMDadoda

1/23/2019 11:00:34 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.467 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Tgt Ion: 43 Resp: 467916

Ion Ratio Lower Upper

43 100

70 44.3 35.4 53.2

55 26.0 20.9 31.3

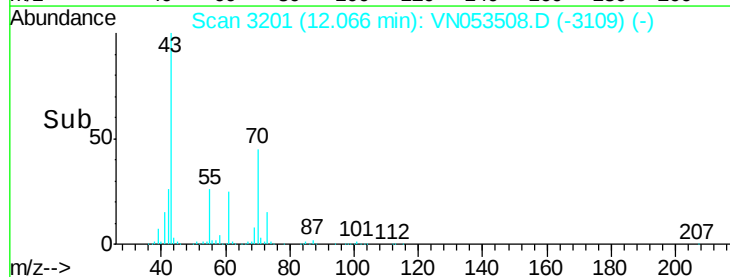
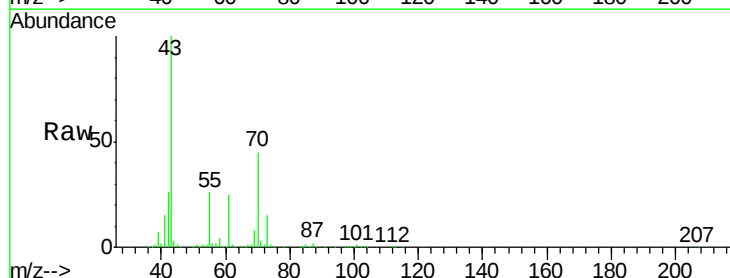
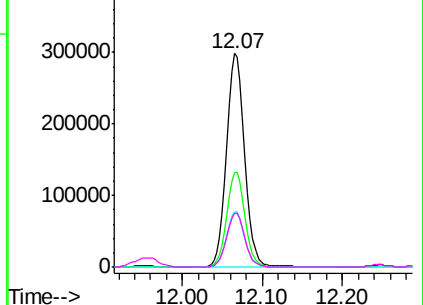
61 25.3 20.5 30.7

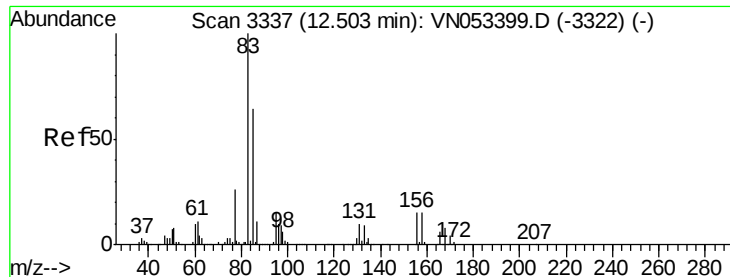
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 41.916 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 339375
Ion Ratio Lower Upper

83 100

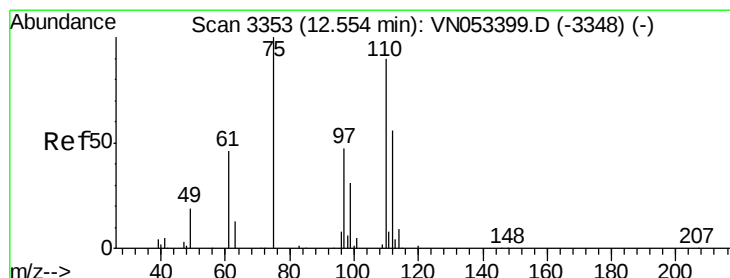
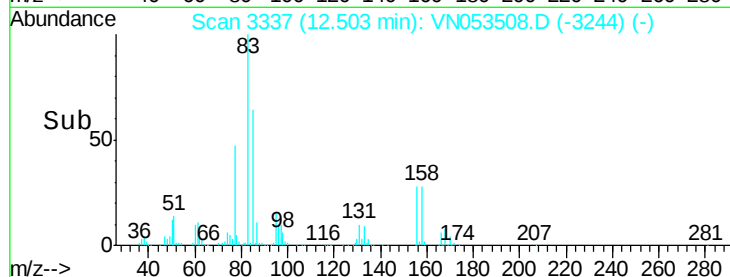
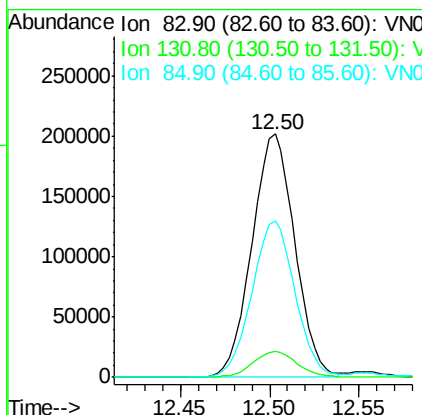
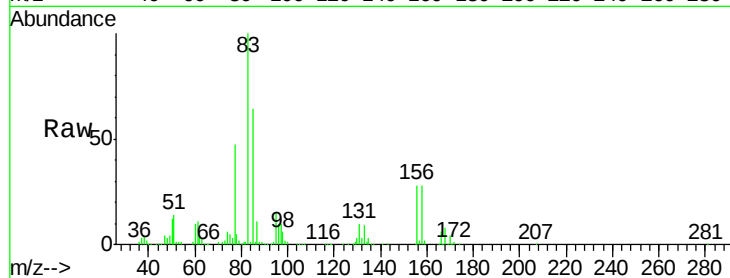
131 11.1 5.3 15.8

85 64.4 32.1 96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 43.473 ug/l m

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

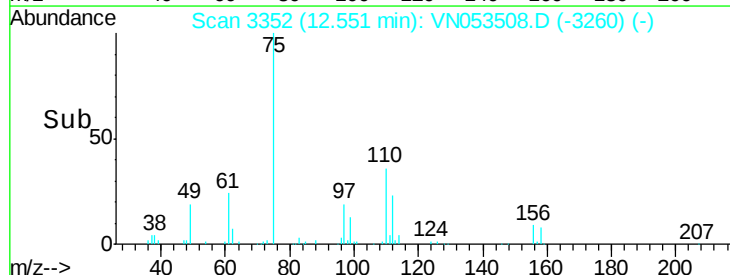
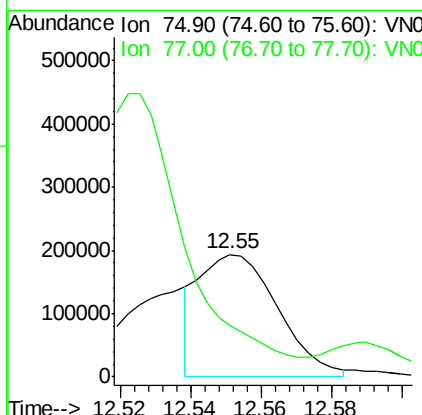
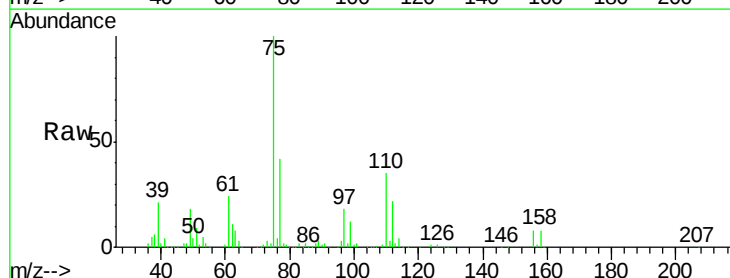
Lab File: VN053508.D

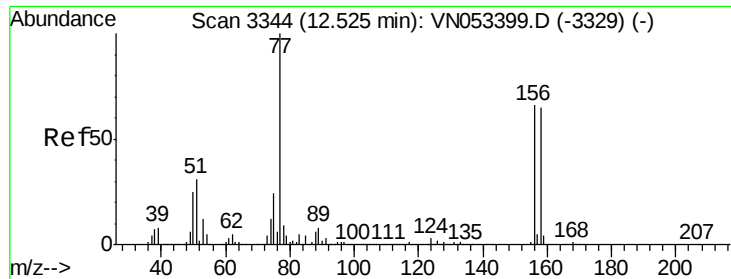
Acq: 22 Jan 2019 10:09

Tgt Ion: 75 Resp: 302013
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 50.150 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Instrument :

MSVOA_N

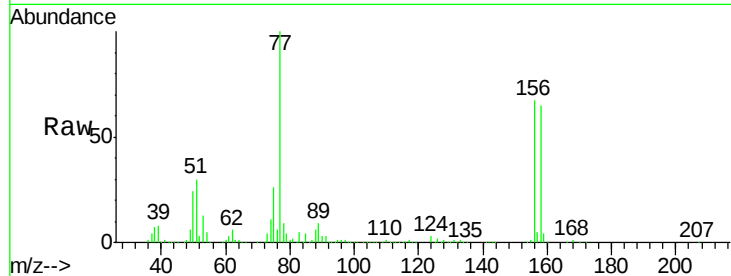
ClientSampled :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	171.5	87.9	263.8
158	98.6	48.8	146.4

Manual Integrations
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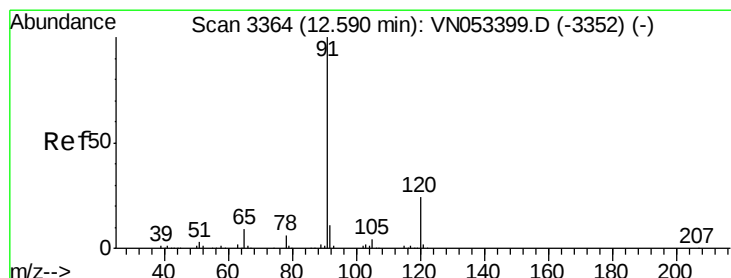
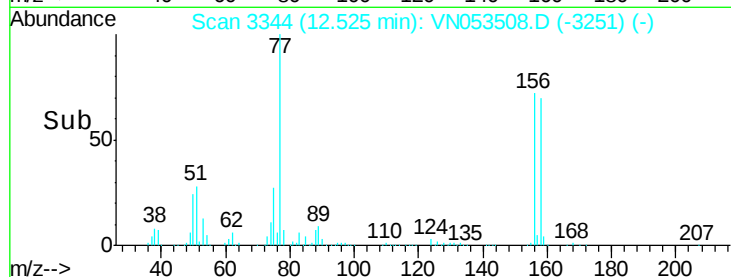
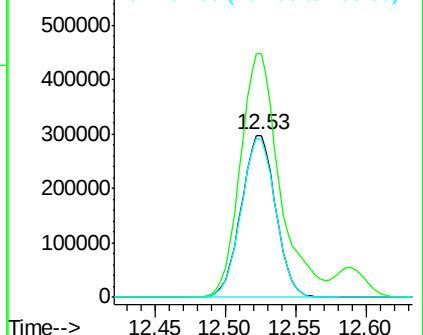
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VNO

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.901 ug/l

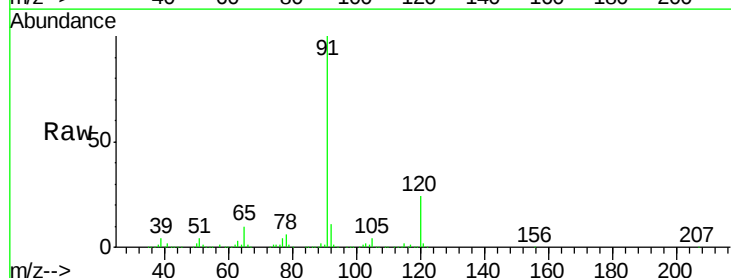
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053508.D

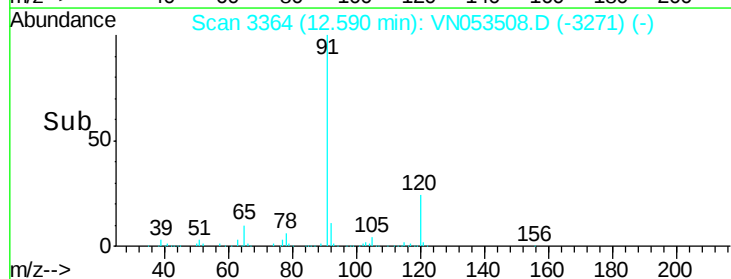
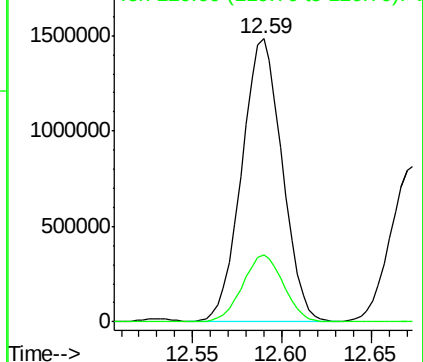
Acq: 22 Jan 2019 10:09

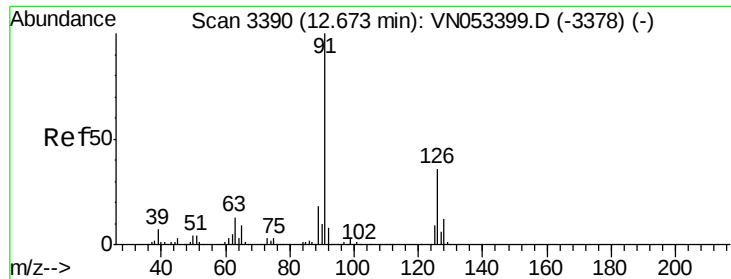
Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.0	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.091 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 1342007

Ion Ratio Lower Upper

91 100

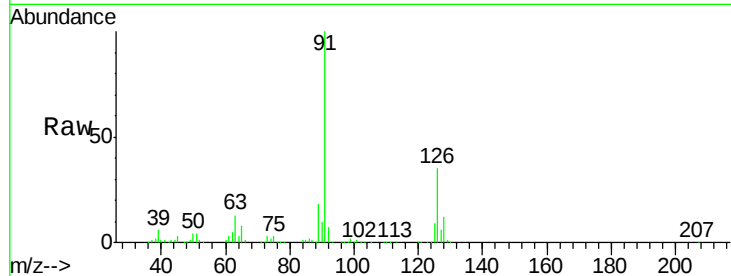
126 35.8 17.9 53.7

Manual Integrations

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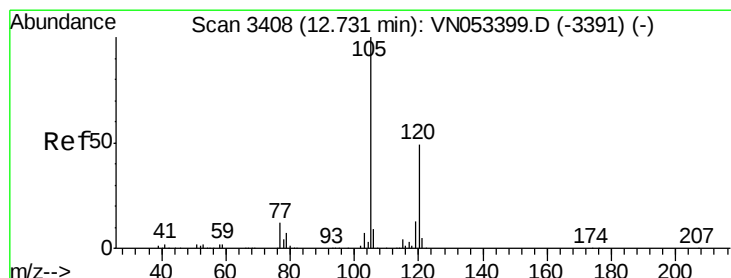
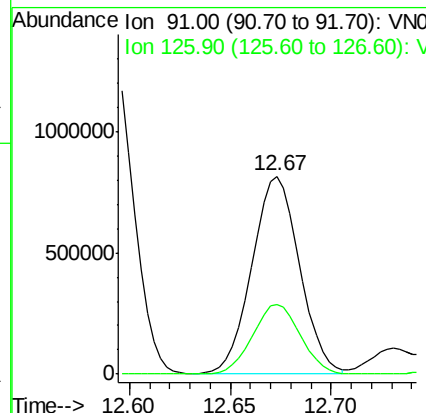
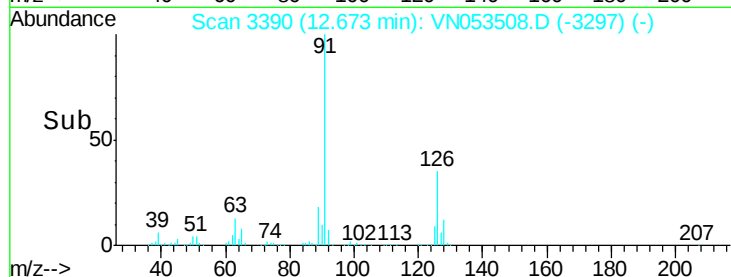
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Abundance Ion 91.00 (90.70 to 91.70): VN053399.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN053399.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.347 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053508.D

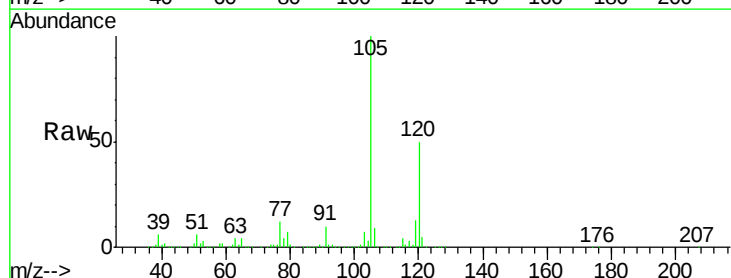
Acq: 22 Jan 2019 10:09

Tgt Ion: 105 Resp: 1675623

Ion Ratio Lower Upper

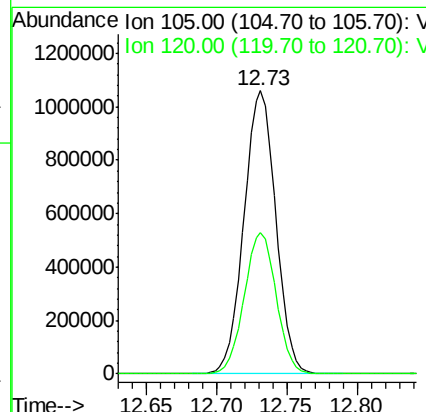
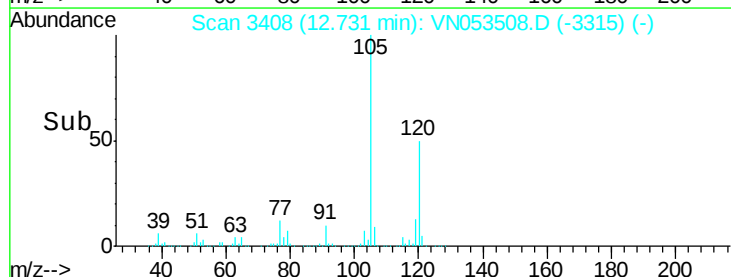
105 100

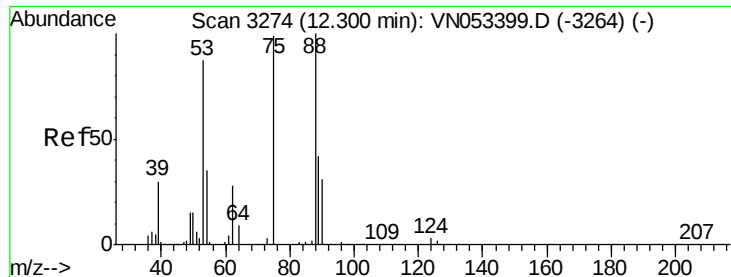
120 50.1 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN053399.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN053399.D (-3391) (-)





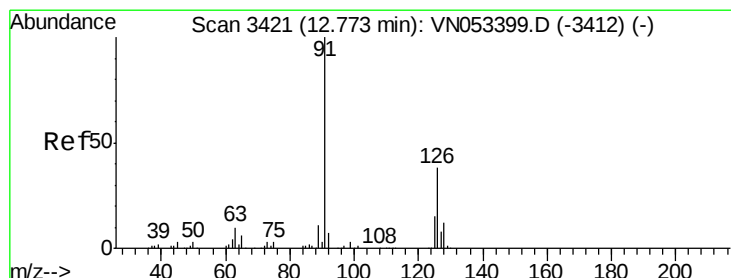
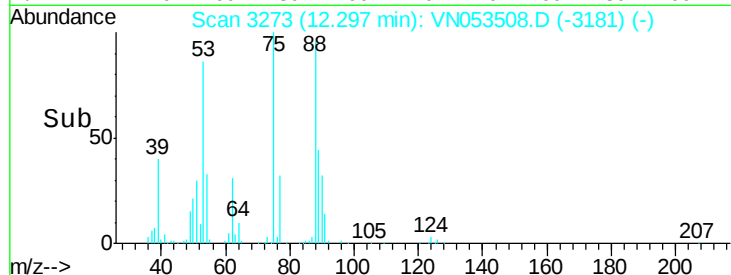
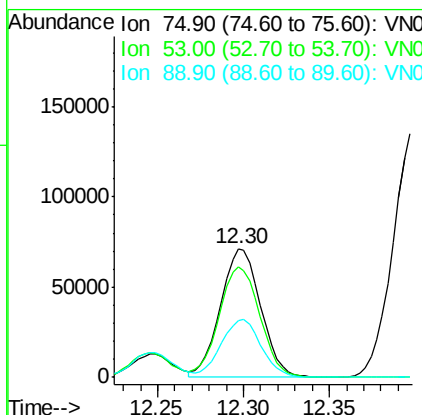
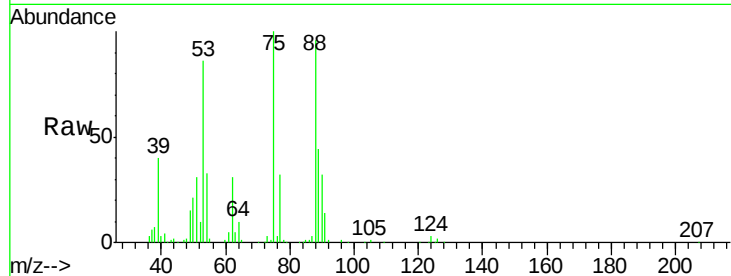
#81
trans-1,4-Dichloro-2-butene
Concen: 42.721 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.5	69.8	104.6
89	44.9	35.6	53.4

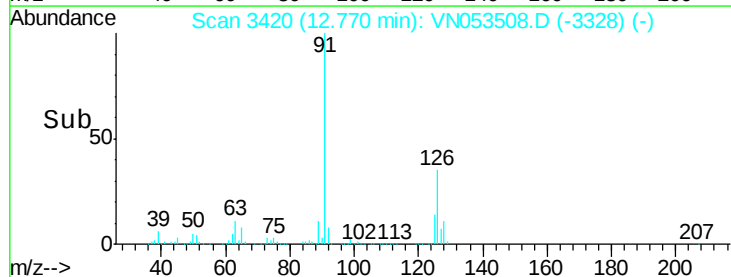
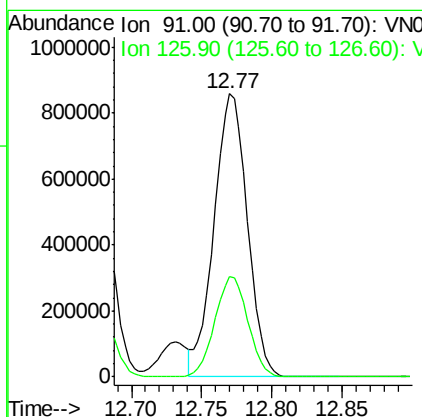
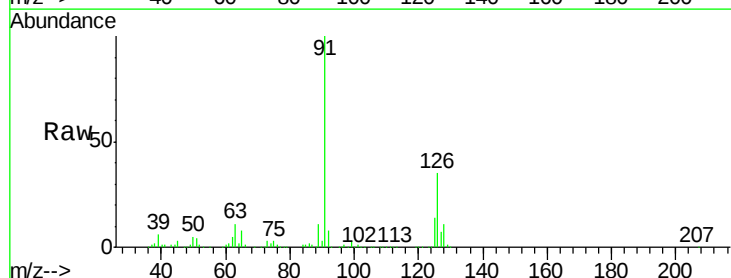
Manual Integrations
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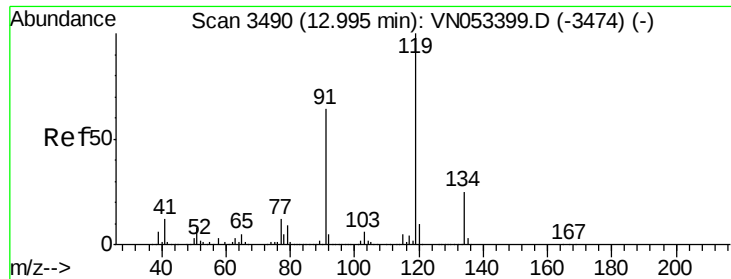
MMDadoda
1/23/2019 11:00:34 AM



#82
4-Chlorotoluene
Concen: 52.470 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.6	52.9





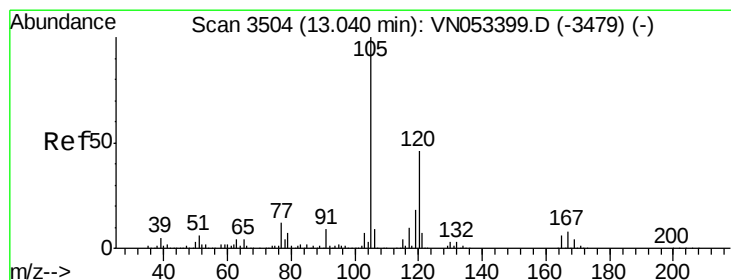
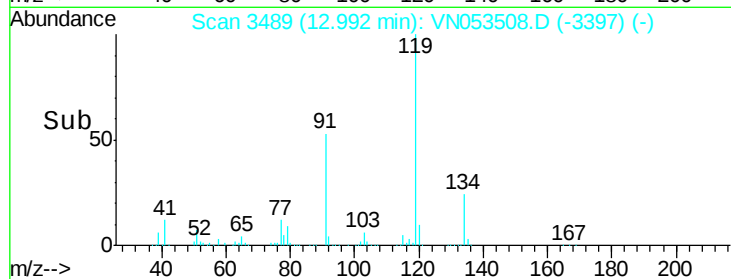
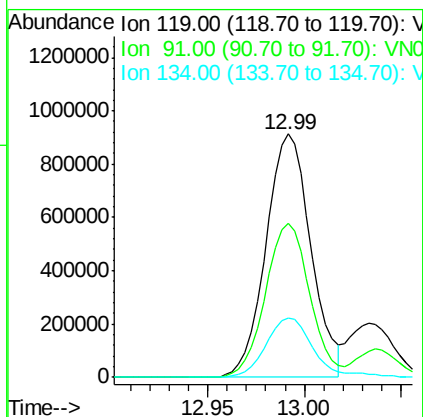
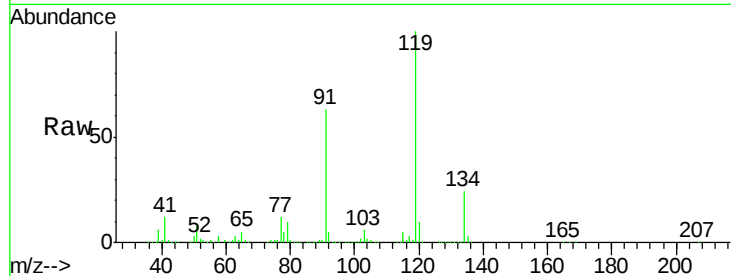
#83
 tert-Butylbenzene
 Concen: 53.289 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN053508.D
 Acq: 22 Jan 2019 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.7	31.3	93.8
134	25.8	12.9	38.7

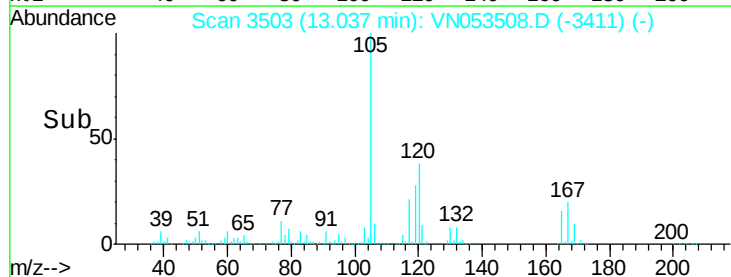
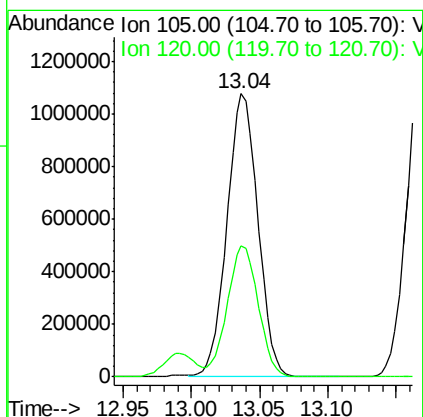
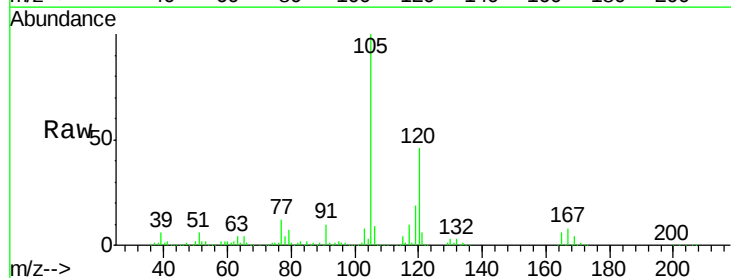
Manual Integrations
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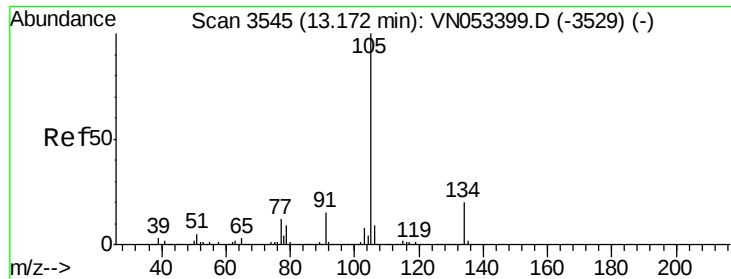
MMDadoda
 1/23/2019 11:00:34 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 53.580 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN053508.D
 Acq: 22 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.0	69.0





#85

sec-Butylbenzene

Concen: 54.179 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 2061344

Ion Ratio Lower Upper

105 100

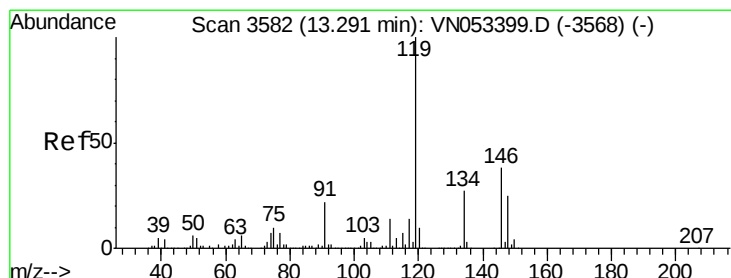
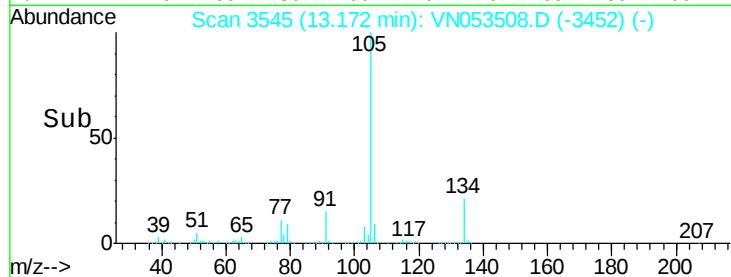
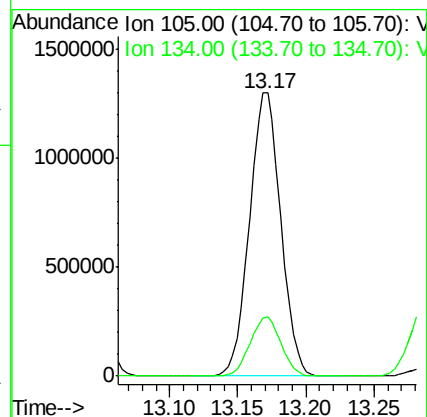
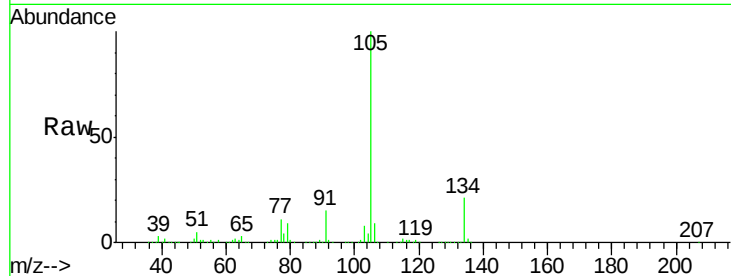
134 20.7 10.2 30.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 55.331 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

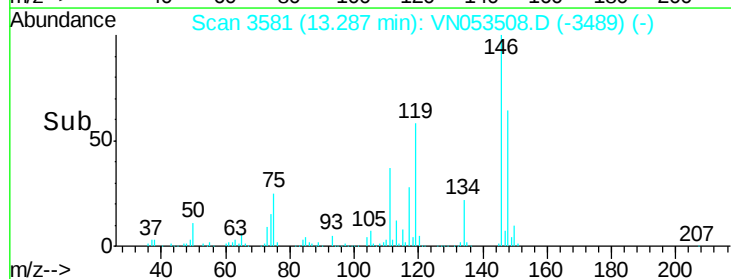
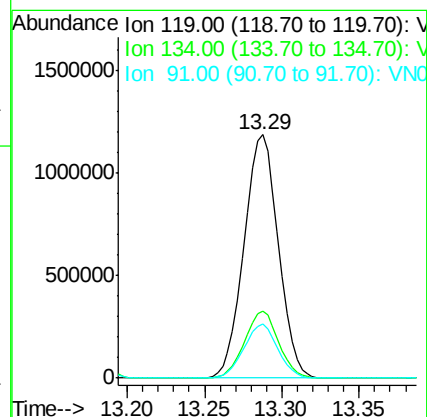
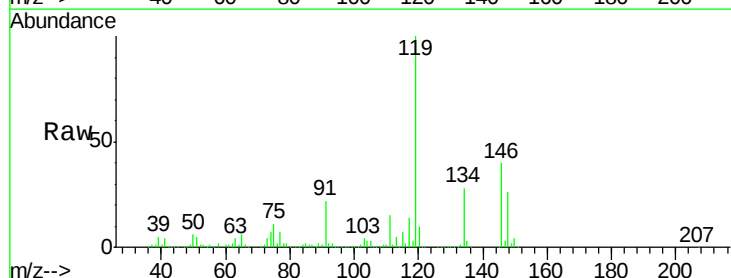
Tgt Ion:119 Resp: 1827902

Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.4

91 21.9 11.0 33.0





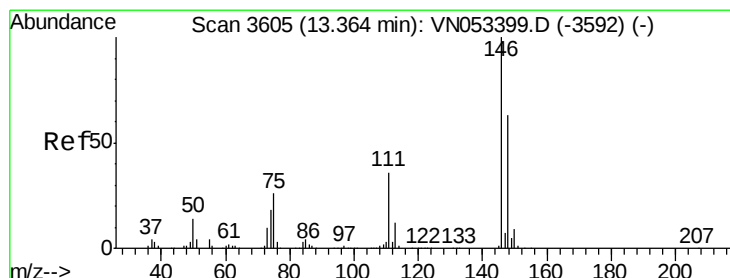
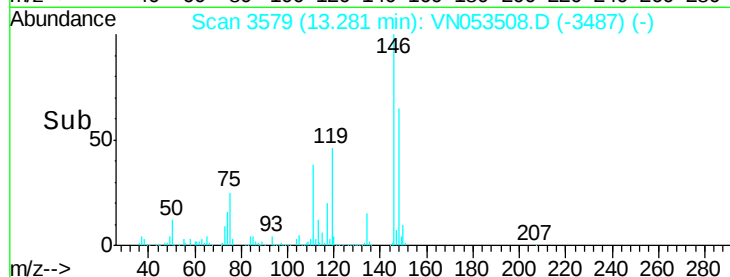
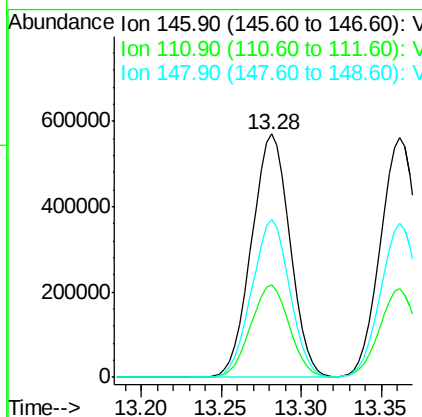
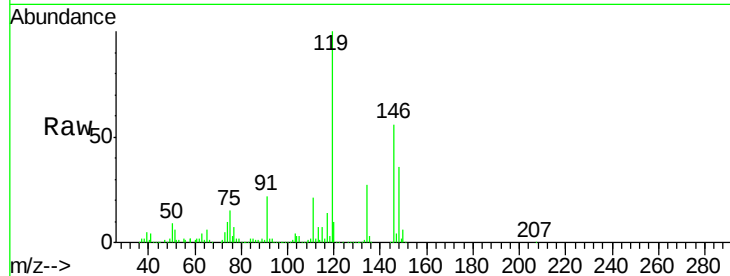
#87
 1,3-Dichlorobenzene
 Concen: 52.480 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN053508.D
 Acq: 22 Jan 2019 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.8	56.3
148	64.2	32.0	96.2

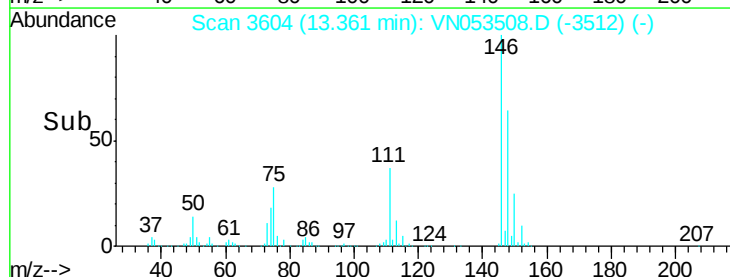
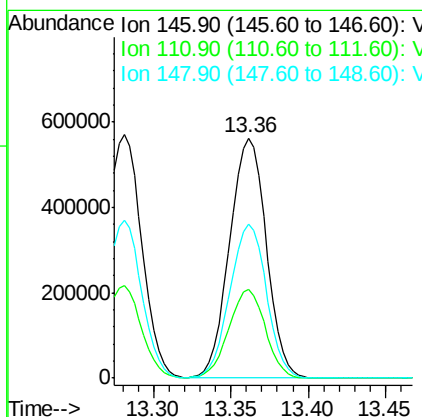
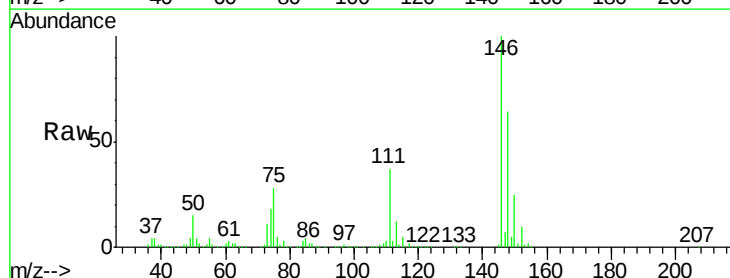
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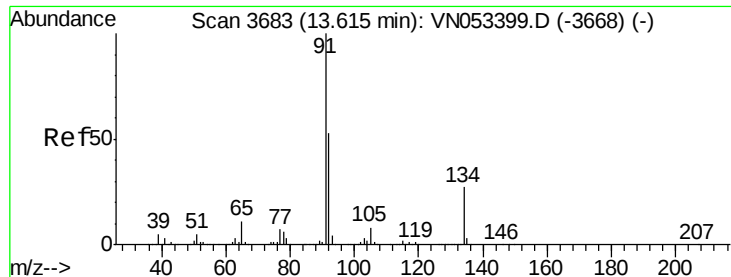
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#88
 1,4-Dichlorobenzene
 Concen: 51.675 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN053508.D
 Acq: 22 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.6	55.8
148	64.2	32.4	97.0





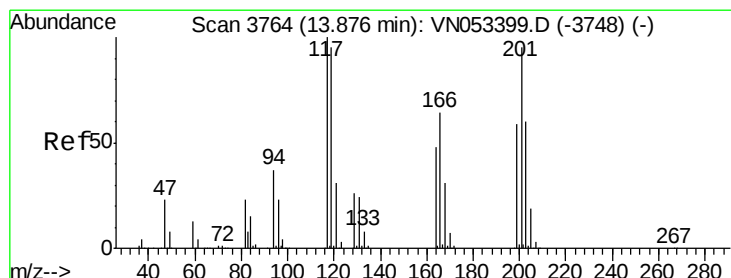
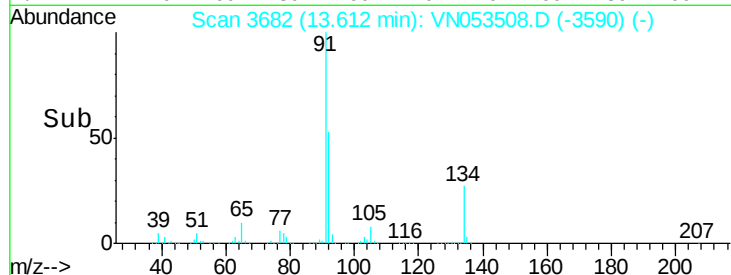
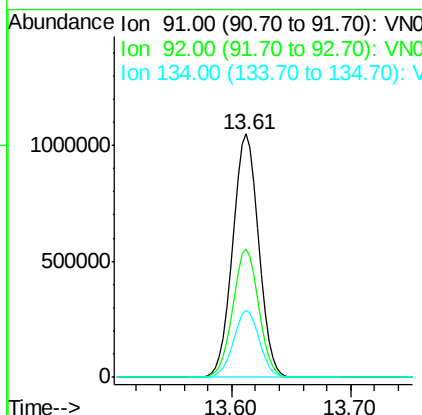
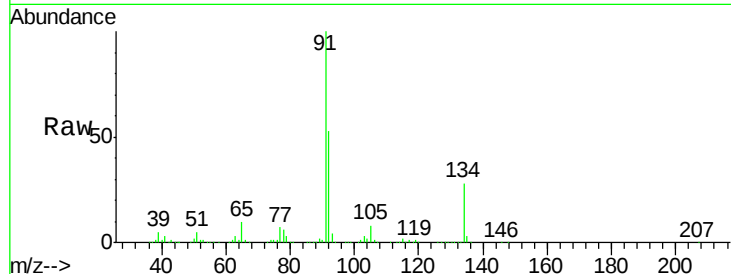
#89
n-Butylbenzene
Concen: 56.283 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1584913
Ion Ratio Lower Upper
91 100
92 52.5 26.3 78.8
134 27.4 13.5 40.5

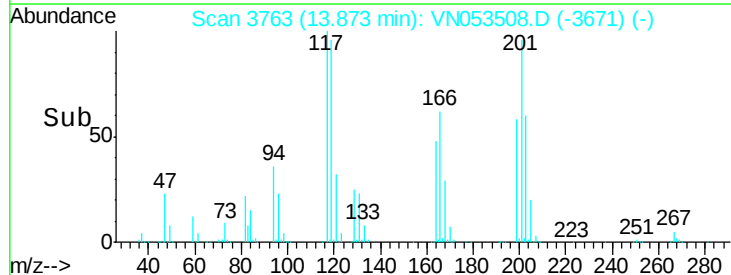
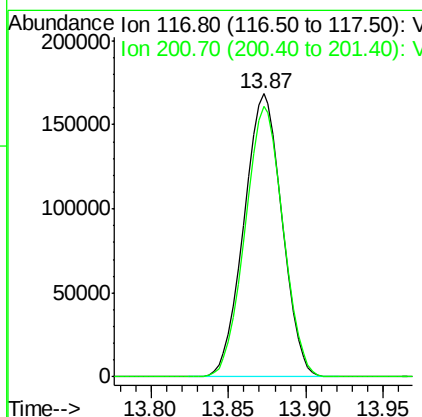
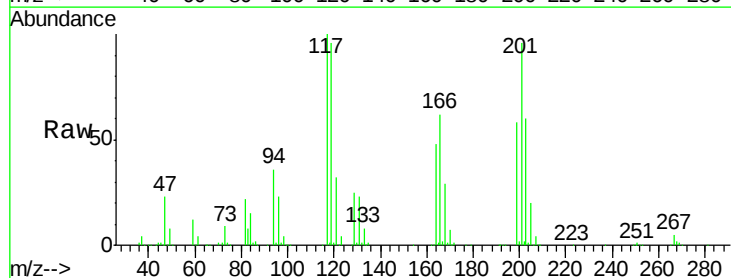
Manual Integrations
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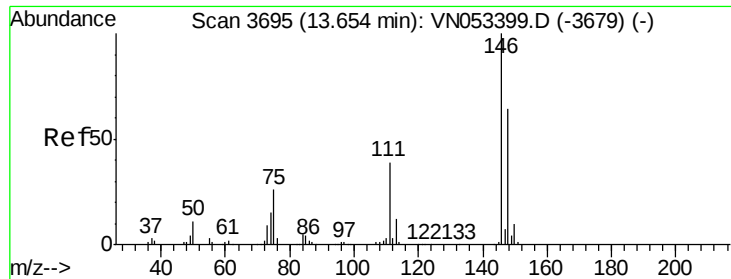
MMDadoda
1/23/2019 11:00:34 AM



#90
Hexachloroethane
Concen: 55.790 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Tgt Ion: 117 Resp: 289054
Ion Ratio Lower Upper
117 100
201 95.1 46.8 140.4





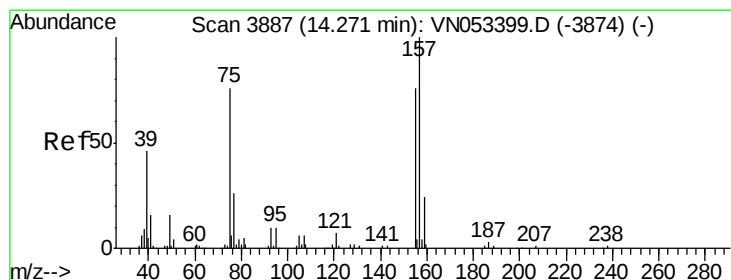
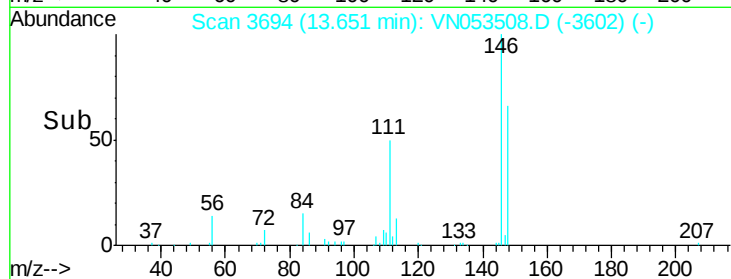
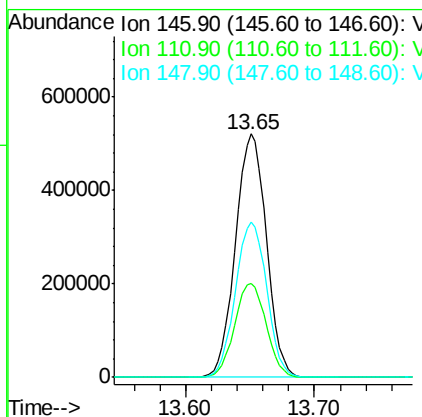
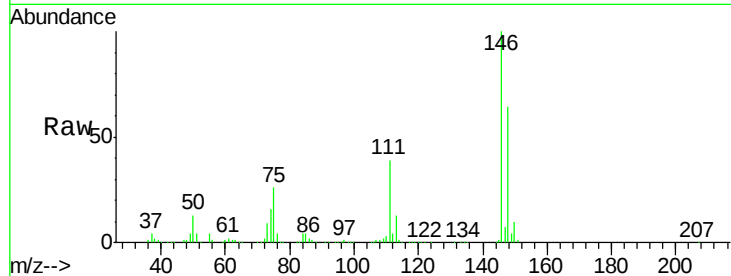
#91
 1,2-Dichlorobenzene
 Concen: 52.835 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN053508.D
 Acq: 22 Jan 2019 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.5	58.5
148	64.5	31.9	95.9

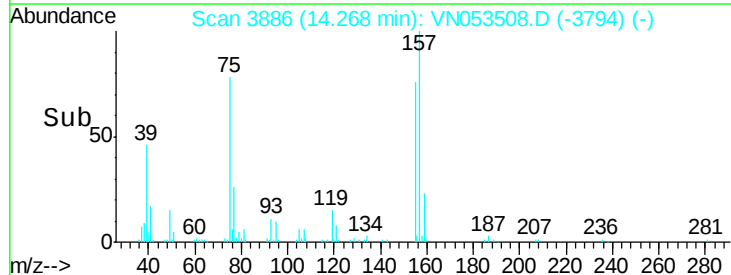
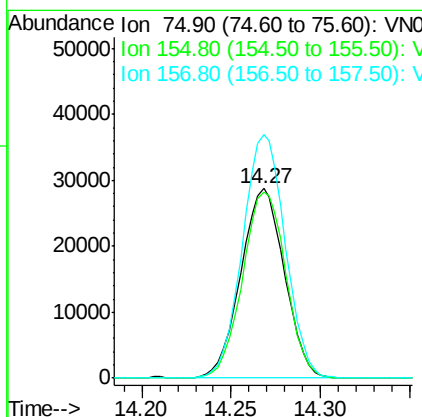
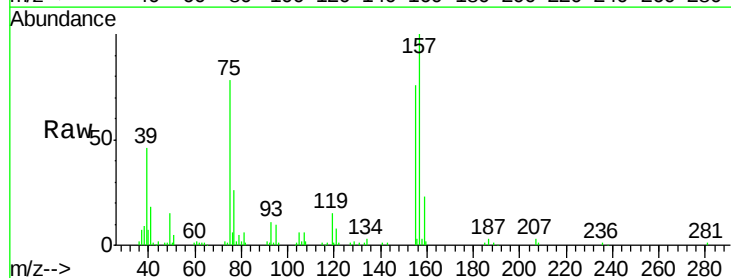
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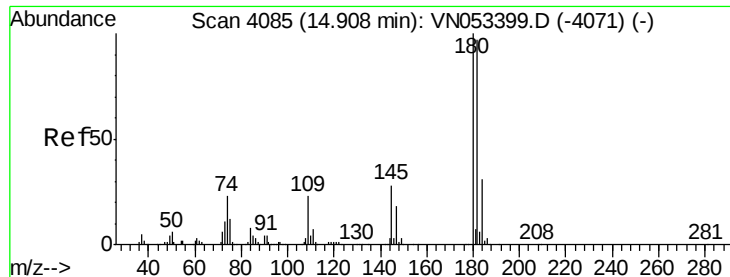
MMDadoda
 1/23/2019 11:00:34 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.904 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053508.D
 Acq: 22 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.3	48.9	146.7
157	125.7	63.7	191.3





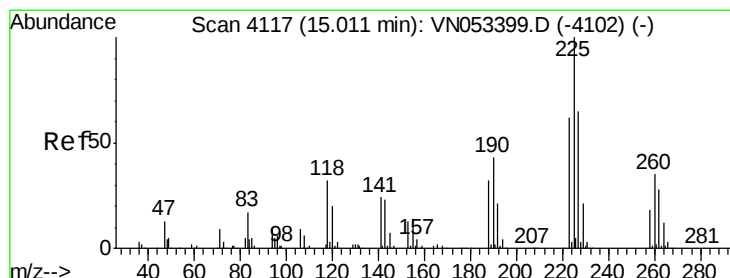
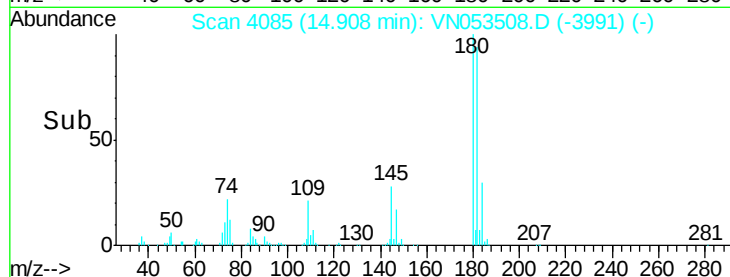
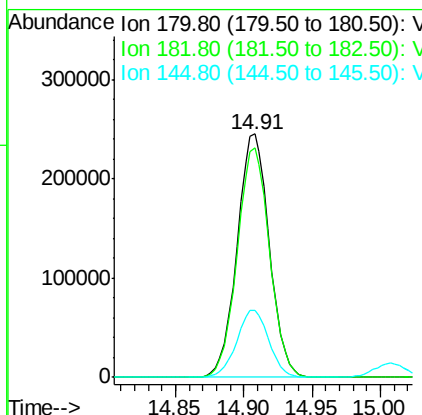
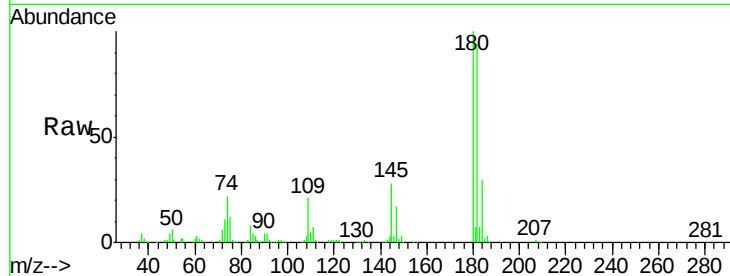
#93
 1,2,4-Trichlorobenzene
 Concen: 54.704 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053508.D
 Acq: 22 Jan 2019 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	399353		
182	94.9		48.1	144.3
145	27.7		13.9	41.6

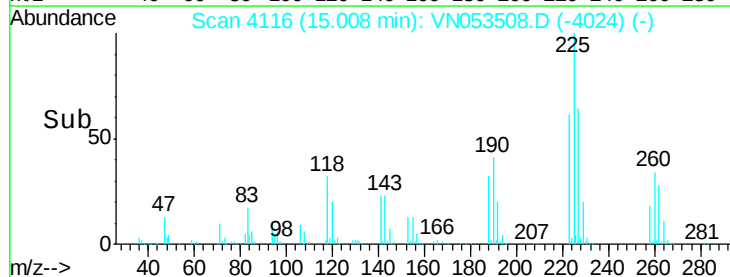
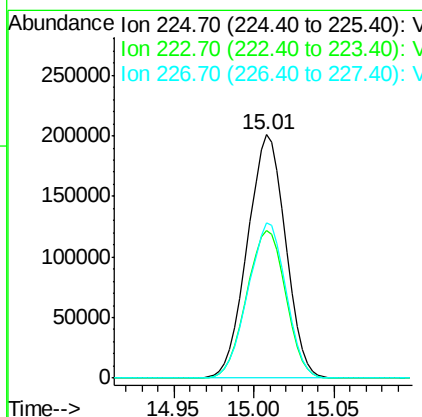
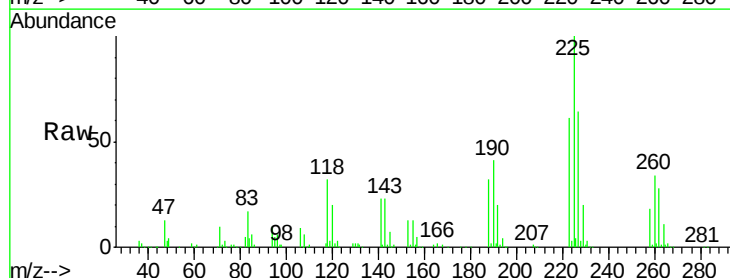
Manual Integrations
 APPROVED

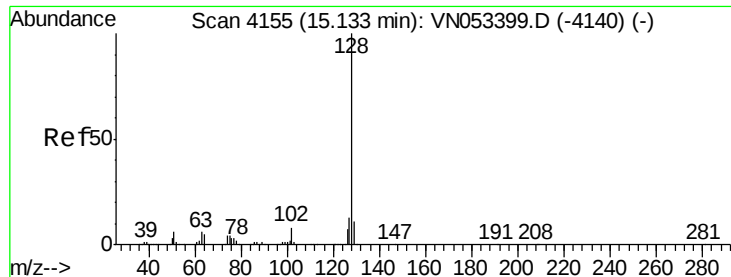
MMDadoda
 1/23/2019 11:00:34 AM



#94
 Hexachlorobutadiene
 Concen: 63.897 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN053508.D
 Acq: 22 Jan 2019 10:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	328135		
223	62.1		31.1	93.2
227	63.7		32.0	96.2





#95

Naphthalene

Concen: 45.724 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Instrument :

MSVOA_N

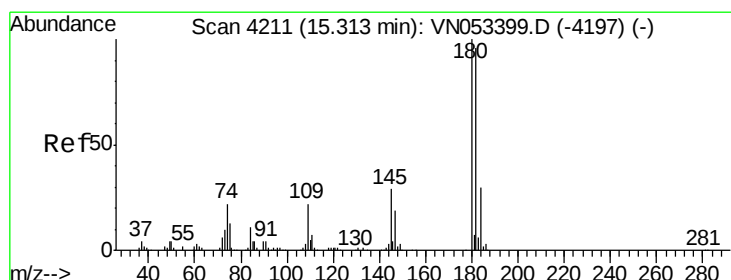
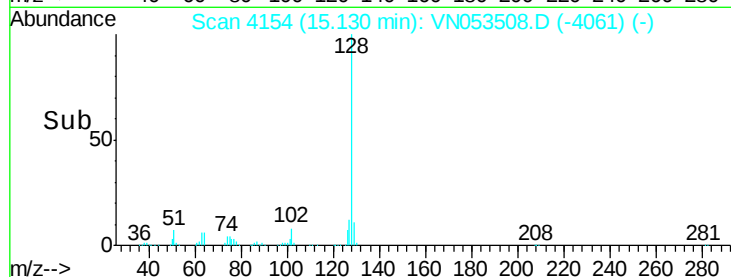
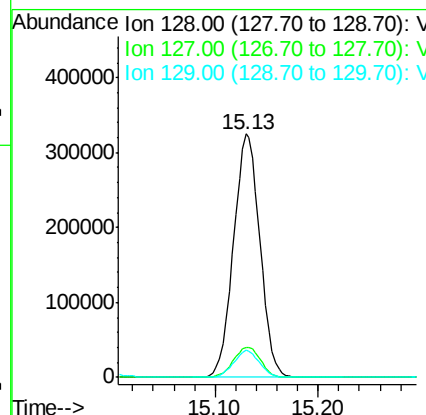
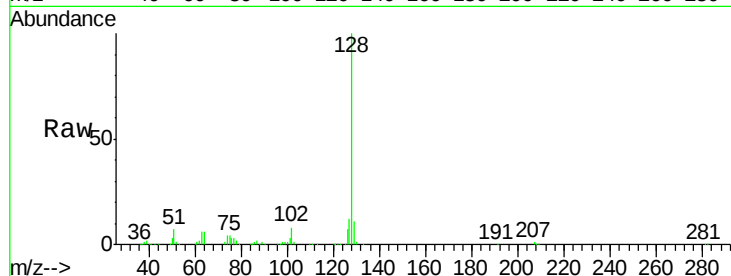
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	578044
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.3	15.5
129	10.8	8.6	13.0

Manual Integrations
APPROVED

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1/23/2019 11:00:34 AM



#96

1,2,3-Trichlorobenzene

Concen: 51.240 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Tgt Ion:	180	Resp:	272900
Ion Ratio	Lower	Upper	
180	100		
182	96.9	47.9	143.8
145	29.6	14.7	44.1

