

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042619\
 Data File : VN055254.D
 Acq On : 25 Apr 2019 19:40
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMdadoda
 4/26/2019 10:53:01 AM

Quant Time: Apr 26 05:20:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N042619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 26 04:33:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	70671	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	400939	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	356082	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	167646	31.10	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.67%
60) 4-Bromofluorobenzene	12.40	95	174197	31.52	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	105.07%
63) Toluene-d8	10.09	98	494168	29.21	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.37%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	547082	134.870	ug/l 99
3) Chloromethane	2.06	50	775185	139.681	ug/l 94
4) Vinyl Chloride	2.18	62	637076	133.774	ug/l 98
5) Bromomethane	2.54	94	347026	126.232	ug/l 96
6) Chloroethane	2.69	64	356563	133.935	ug/l 100
7) Trichlorofluoromethane	3.01	101	928434	149.388	ug/l 95
8) Diethyl Ether	3.41	74	394893	188.301	ug/l 90
9) 1,1,2-Trichlorotrifluoroet	3.76	101	595003	169.217	ug/l 98
10) 1,1-Dichloroethene	3.73	96	561805	172.249	ug/l 99
11) Methyl Iodide	3.95	142	920615	184.566	ug/l 99
12) Methyl Acetate	4.33	43	823004	194.594	ug/l 95
13) Acrolein	3.61	56	176030	552.695	ug/l 97
14) Acrylonitrile	4.99	53	1465052	871.210	ug/l 99
15) Acetone	3.82	58	339564	846.495	ug/l 95
16) Carbon Disulfide	4.05	76	1603452	152.520	ug/l 99
17) Allyl chloride	4.32	41	1266900	163.155	ug/l 99
18) Methylene Chloride	4.55	84	675467	144.226	ug/l 96
19) trans-1,2-Dichloroethene	5.04	96	602551	146.734	ug/l 95
20) Diisopropyl ether	5.95	45	2506167	156.608	ug/l 99
21) 1,1-Dichloroethane	5.85	63	1279381	151.317	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	706334	148.773	ug/l 98
23) tert-Butyl Alcohol	4.79	59	304918	1082.617	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	1871978	171.038	ug/l 100
25) Chloroform	7.37	83	1213363	150.563	ug/l 96
26) Cyclohexane	7.65	56	1139240	147.950	ug/l # 96
29) 1,1-Dichloropropene	7.79	75	924943	146.947	ug/l 99
30) 2-Butanone	6.84	43	1842580	840.756	ug/l 99
31) 2,2-Dichloropropane	6.83	77	872135	148.662	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	1020606	151.131	ug/l 99
33) Carbon Tetrachloride	7.77	117	866764	149.755	ug/l 97
34) Benzene	8.04	78	2732276	145.681	ug/l # 88
35) Methacrylonitrile	7.18	41	450570	170.642	ug/l 97
36) 1,2-Dichloroethane	8.12	62	946733	146.321	ug/l 100
37) Trichloroethene	8.84	130	676686	142.384	ug/l 99
38) Methylcyclohexane	9.08	83	993913	138.673	ug/l 97
39) 1,2-Dichloropropane	9.12	63	779458	148.965	ug/l 100
40) Dibromomethane	9.21	93	433854	145.868	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	933999	153.125	ug/l	96
42) Vinyl Acetate	5.90	43	9154845	833.774	ug/l	99
43) Ethyl Acetate	6.93	43	790490	172.307	ug/l	98
44) Isopropyl Acetate	8.17	43	1416316	179.511	ug/l #	77
45) 1,4-Dioxane	9.20	88	148591	3485.456	ug/l	97
46) Methyl methacrylate	9.20	41	716758	179.813	ug/l	98
47) n-amyl Acetate	12.07	43	1151577	203.642	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	1008259	175.863	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	1127622	162.258	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	611453	150.960	ug/l	98
51) Ethyl methacrylate	10.43	69	898407	180.984	ug/l	99
52) 1,3-Dichloropropane	10.71	76	1096045	154.802	ug/l	99
53) Dibromochloromethane	10.90	129	679208	162.812	ug/l	100
54) 1,2-Dibromoethane	11.00	107	626664	163.517	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	1501371	783.882	ug/l	100
56) Bromoform	12.13	173	472201	176.801	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	4024432	901.649	ug/l	99
59) 2-Hexanone	10.75	43	2600256	923.162	ug/l	99
61) Tetrachloroethene	10.63	164	621157	132.883	ug/l	96
62) Toluene	10.16	91	2852183	143.806	ug/l	98
64) Chlorobenzene	11.43	112	1754056	147.344	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	655312	152.627	ug/l	98
66) Ethyl Benzene	11.51	91	3132759	147.824	ug/l	99
67) m/p-Xylenes	11.62	106	2306875	293.426	ug/l	98
68) o-Xylene	11.95	106	1141510	145.844	ug/l	95
69) Styrene	11.96	104	1856564	153.942	ug/l	99
70) Isopropylbenzene	12.25	105	3025904	145.628	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	805623	162.962	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	675981m	165.806	ug/l	
73) Bromobenzene	12.53	156	738652	150.602	ug/l	99
74) n-propylbenzene	12.59	91	3493090	150.914	ug/l	99
75) 2-Chlorotoluene	12.67	91	2112857	150.592	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	2513046	149.987	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	220657	209.610	ug/l	90
78) 4-Chlorotoluene	12.77	91	2118960	158.327	ug/l	99
79) tert-butylbenzene	12.99	119	2146702	147.715	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	2502408	151.403	ug/l	100
81) sec-Butylbenzene	13.17	105	2873619	148.700	ug/l	99
82) p-Isopropyltoluene	13.29	119	2456773	151.511	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	1280288	157.518	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	1261076	163.215	ug/l	98
85) n-Butylbenzene	13.61	91	2117782	165.849	ug/l	99
86) Hexachloroethane	13.87	117	441644	167.518	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	1239490	154.823	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	134048	201.651	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	636743	182.181	ug/l	99
90) Hexachlorobutadiene	15.01	225	393211	151.540	ug/l	99
91) Naphthalene	15.13	128	1515647	203.209	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	634523	180.346	ug/l	99

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

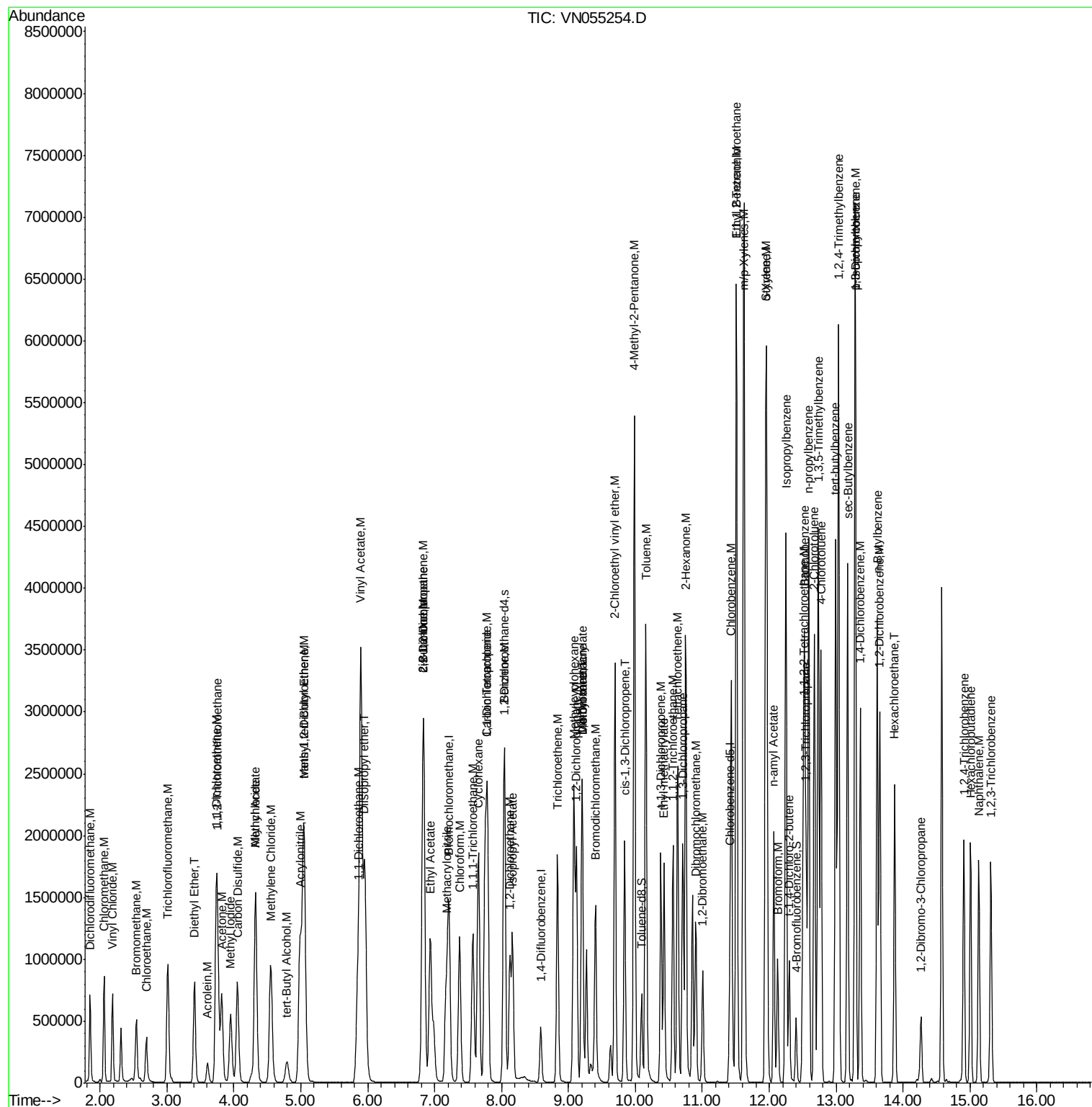
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042619\
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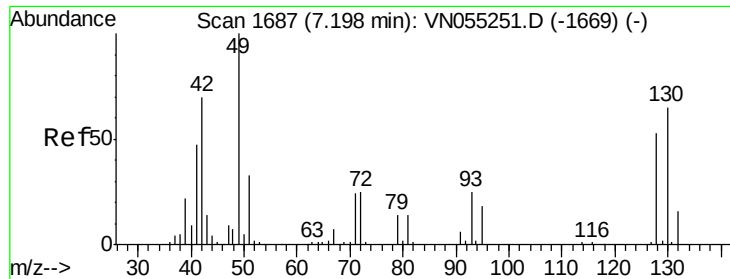
Instrument :
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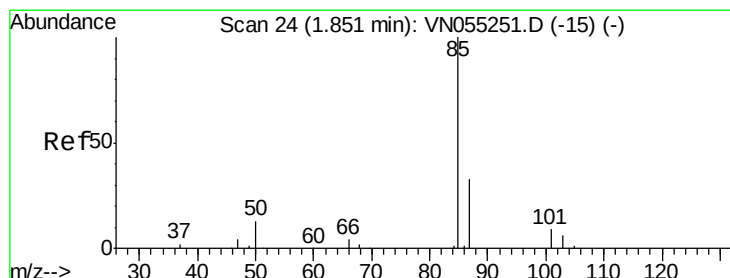
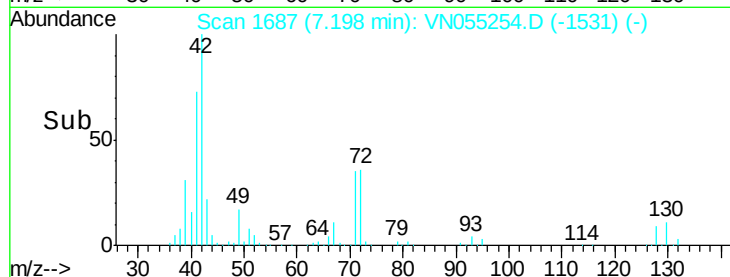
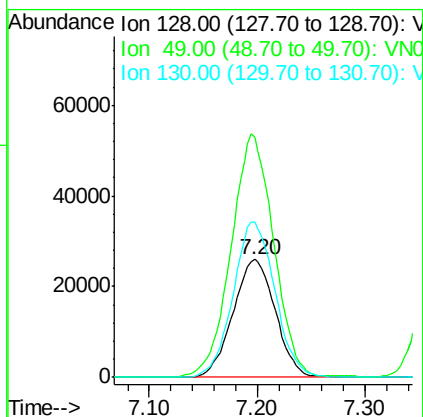
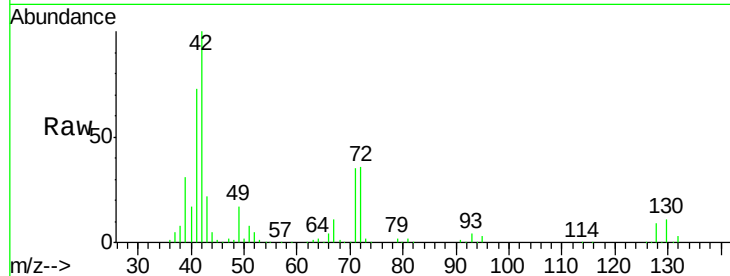
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

Instrument :
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 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
49	207.8	0.0	485.0
130	130.9	0.0	324.7

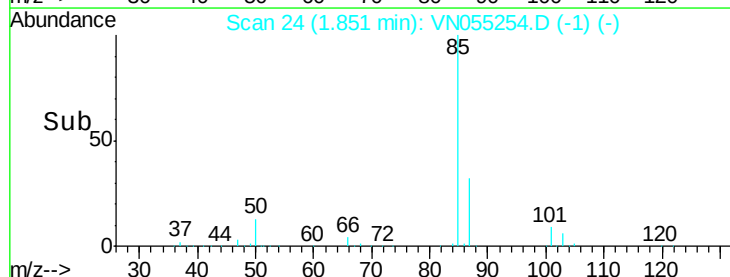
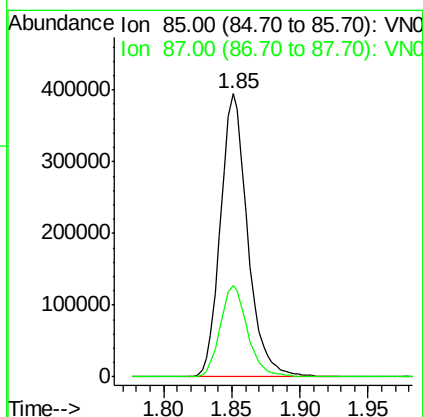
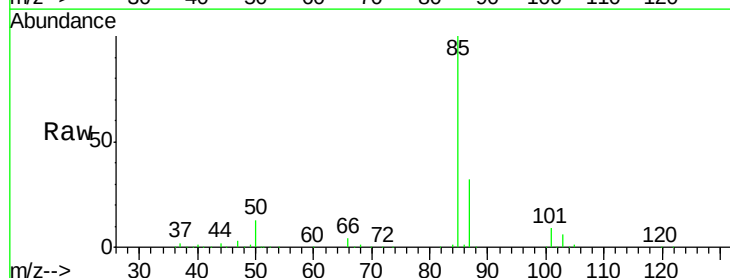
Manual Integrations
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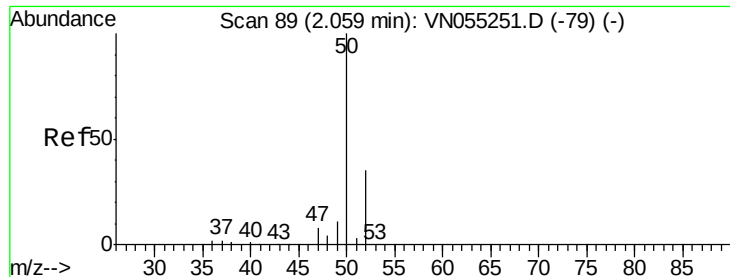
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#2
 Dichlorodifluoromethane
 Concen: 134.870 ug/l
 RT: 1.85 min Scan# 24
 Delta R.T. 0.00 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.6	49.7





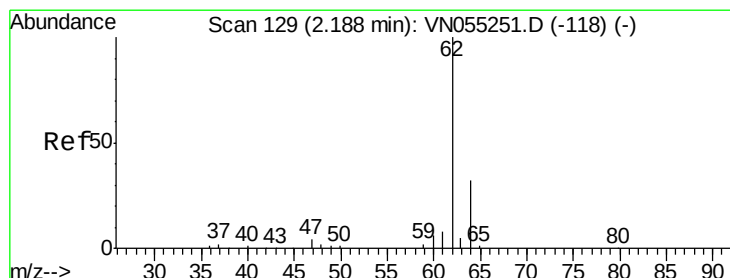
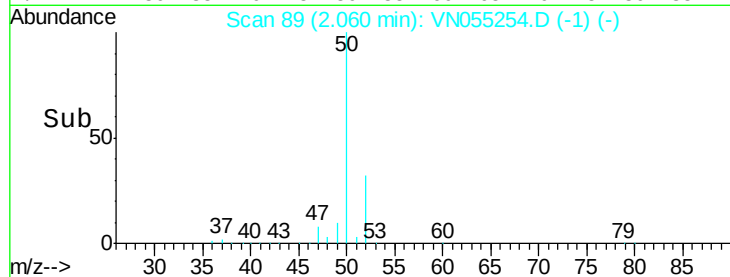
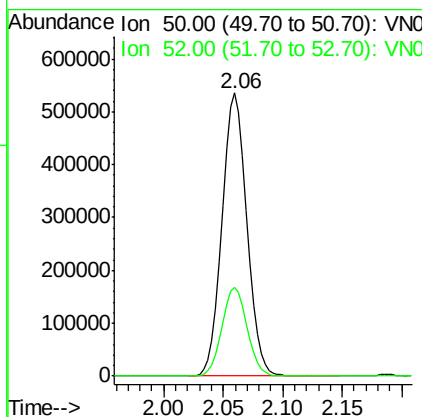
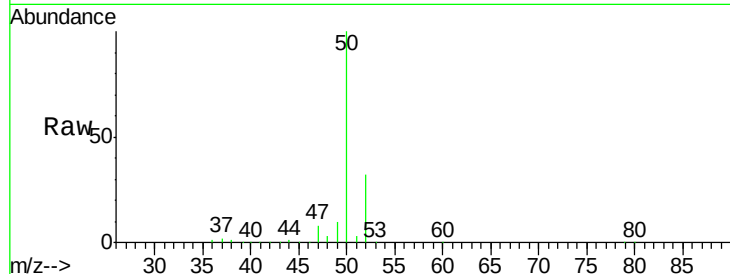
#3
Chloromethane
Concen: 139.681 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
50	100		
52	31.6	27.9	41.9

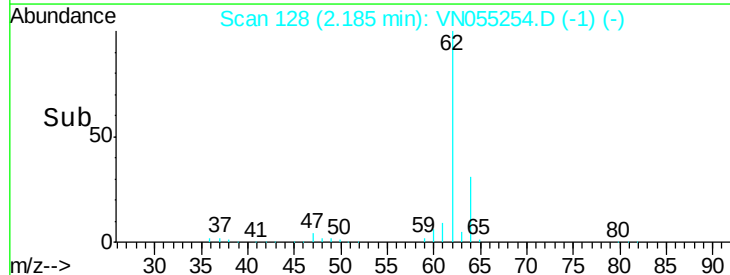
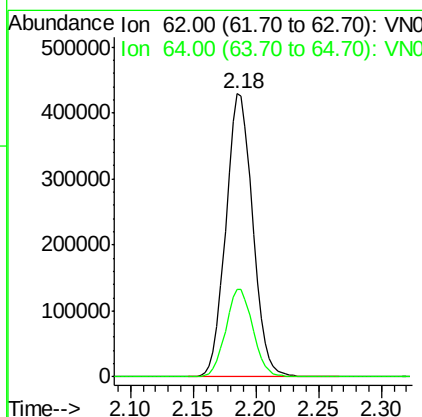
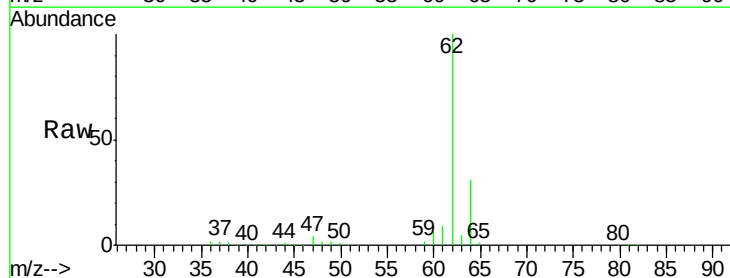
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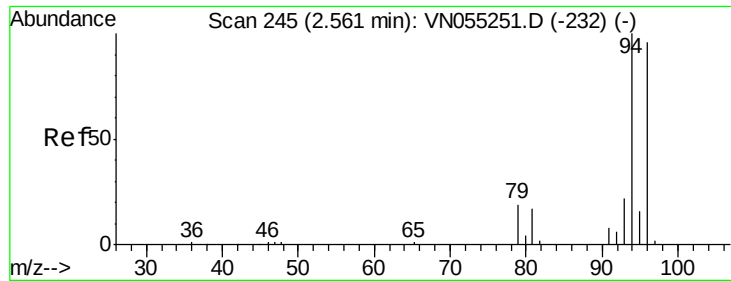
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#4
Vinyl Chloride
Concen: 133.774 ug/l
RT: 2.18 min Scan# 128
Delta R.T. -0.00 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.1	25.6	38.4





#5

Bromomethane

Concen: 126.232 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.02 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 347026

Ion Ratio Lower Upper

94 100

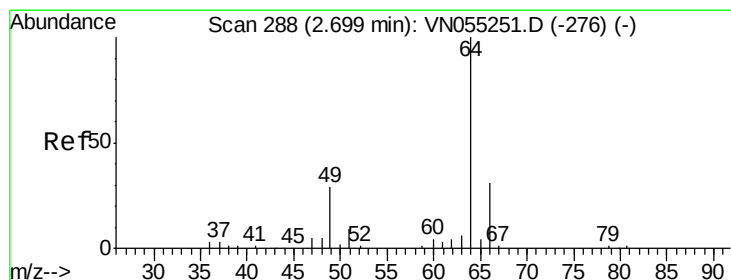
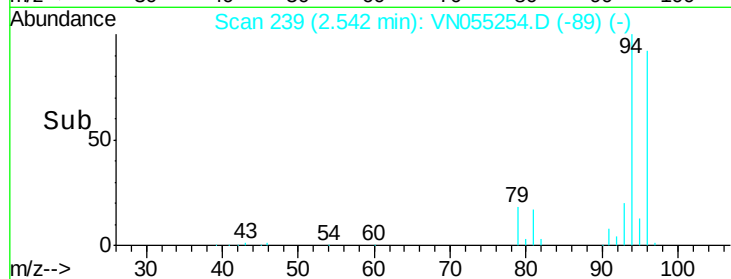
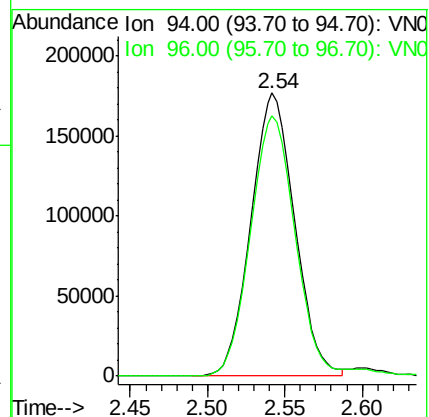
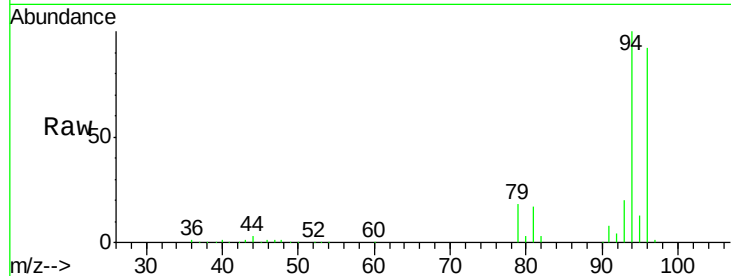
96 92.1 77.0 115.6

Manual Integrations

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#6

Chloroethane

Concen: 133.935 ug/l

RT: 2.69 min Scan# 286

Delta R.T. -0.01 min

Lab File: VN055254.D

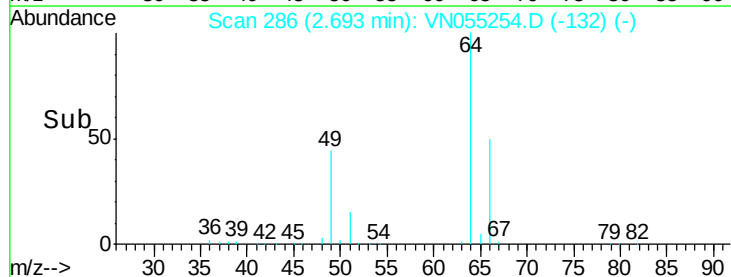
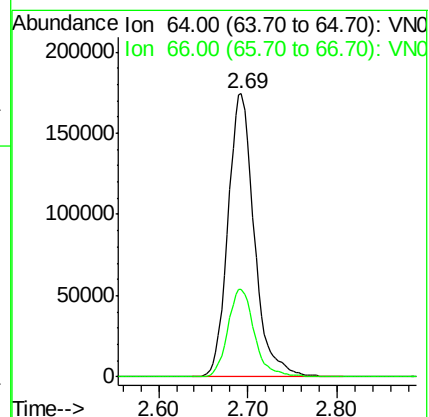
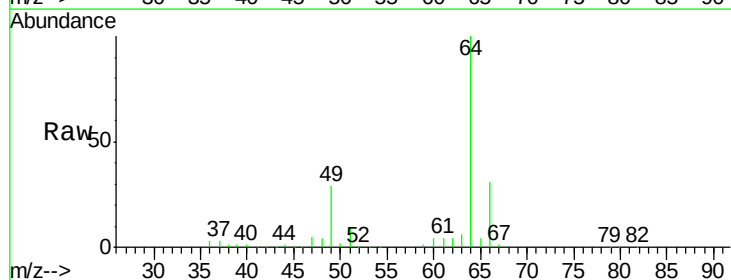
Acq: 25 Apr 2019 19:40

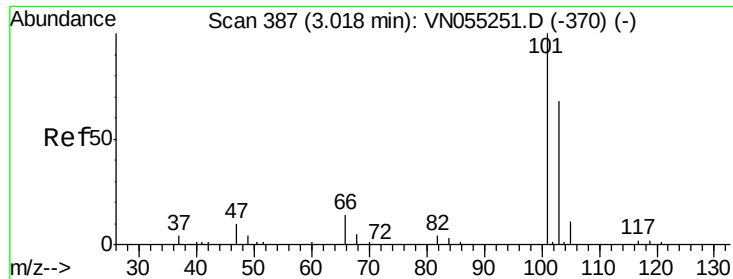
Tgt Ion: 64 Resp: 356563

Ion Ratio Lower Upper

64 100

66 30.8 24.6 36.8





#7

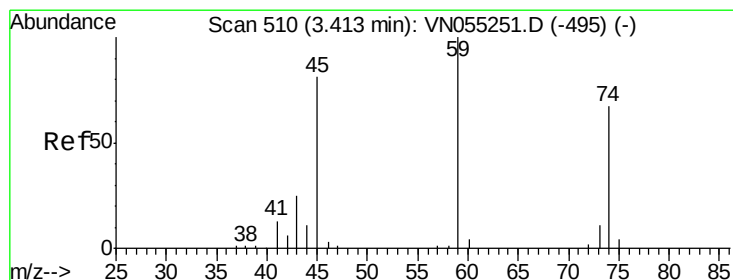
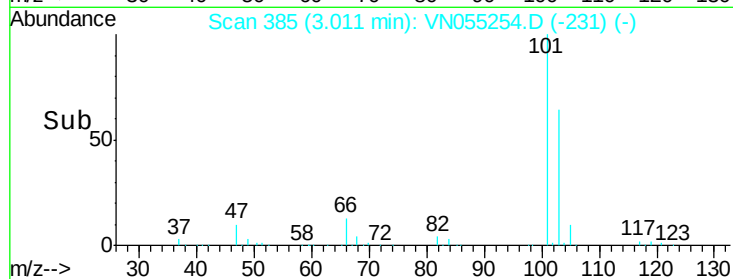
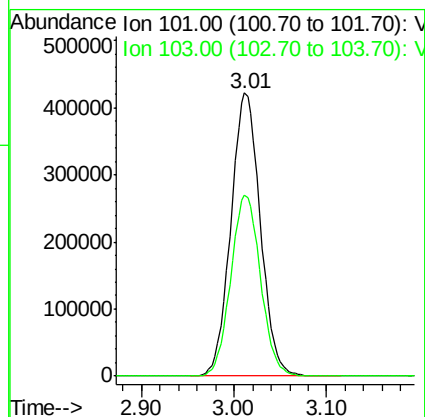
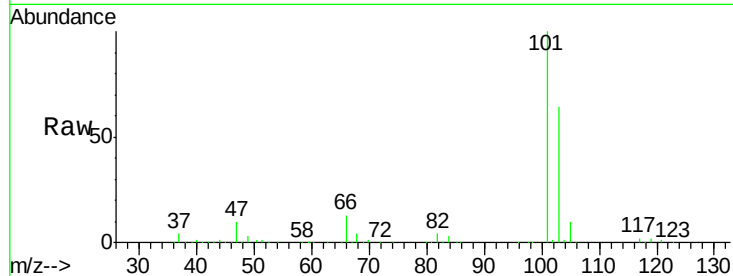
Trichlorofluoromethane
 Concen: 149.388 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. -0.01 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

Instrument :
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 ClientSampleId :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		928434		
103	64.1	54.6	81.8		

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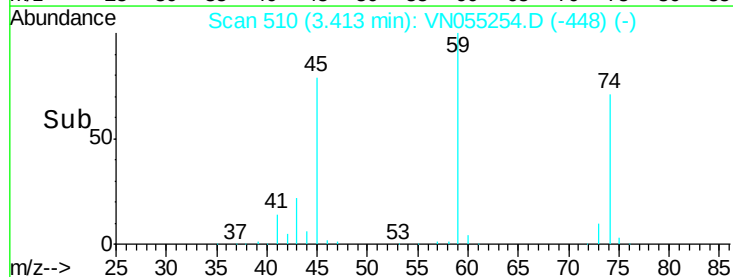
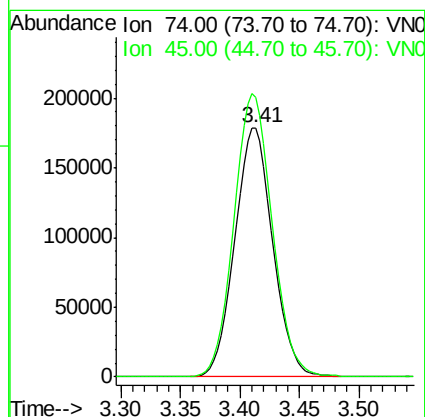
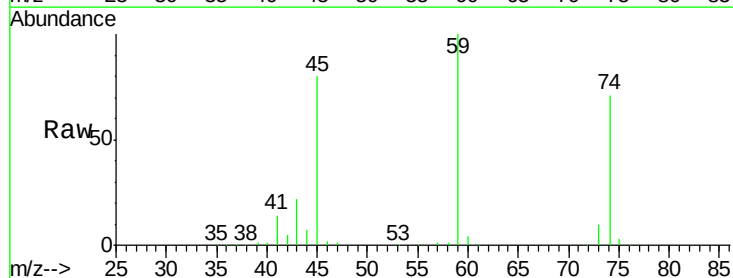
MMdadoda
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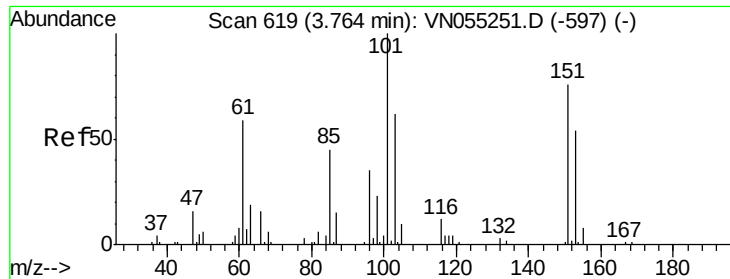


#8

Diethyl Ether
 Concen: 188.301 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		394893		
45	114.3	25.1	225.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 169.217 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.01 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Instrument :

MSVOA_N

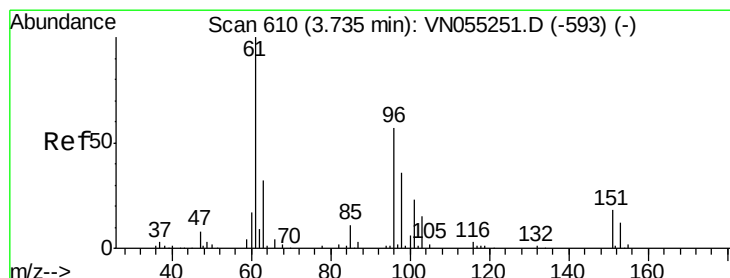
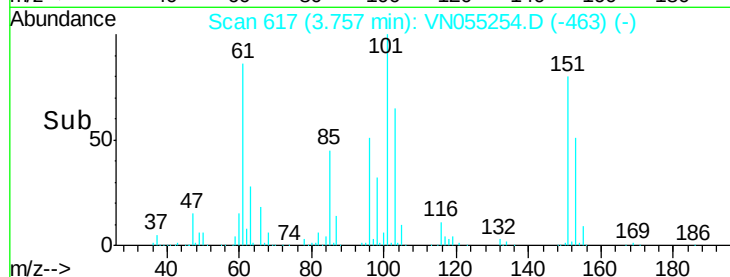
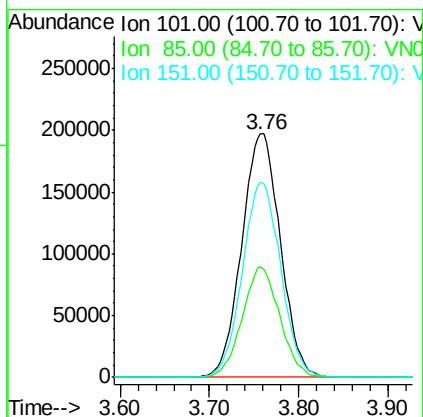
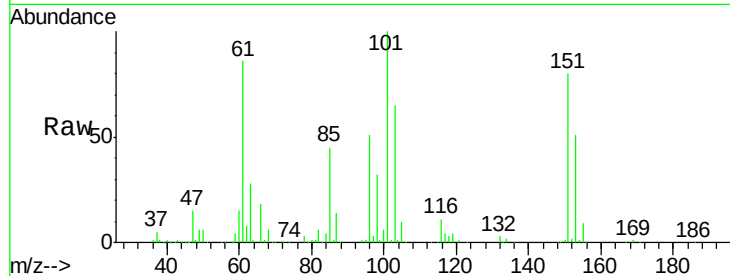
ClientSampled :

VSTDIC150

Tot Ion:	101	Resp:	595003
Ion Ratio	Lower	Upper	
101	100		
85	44.0	0.0	89.0
151	79.6	0.0	154.4

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#10

1,1-Dichloroethene

Concen: 172.249 ug/l

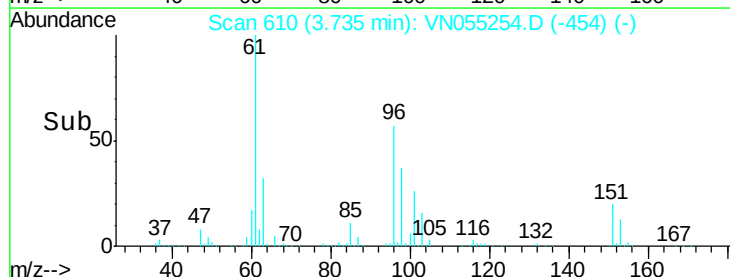
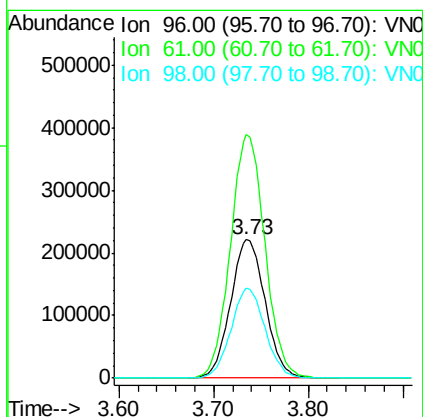
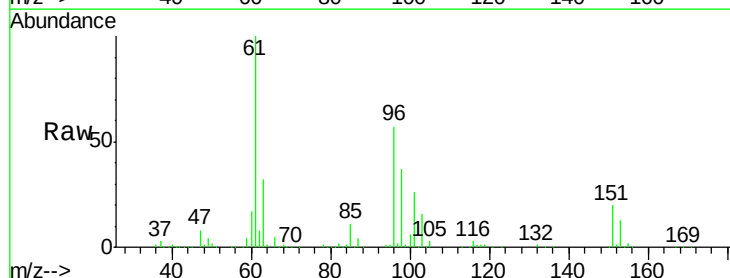
RT: 3.73 min Scan# 610

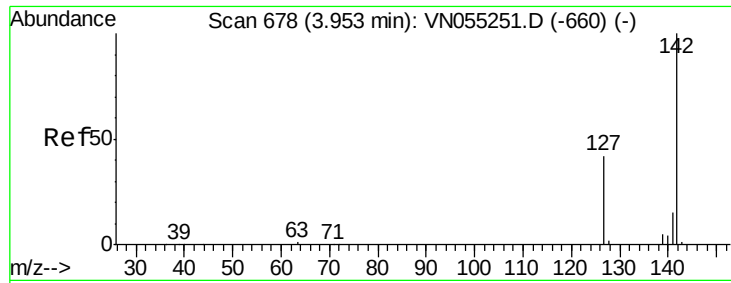
Delta R.T. 0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Tgt Ion:	96	Resp:	561805
Ion Ratio	Lower	Upper	
96	100		
61	175.6	139.9	209.9
98	64.6	50.8	76.2





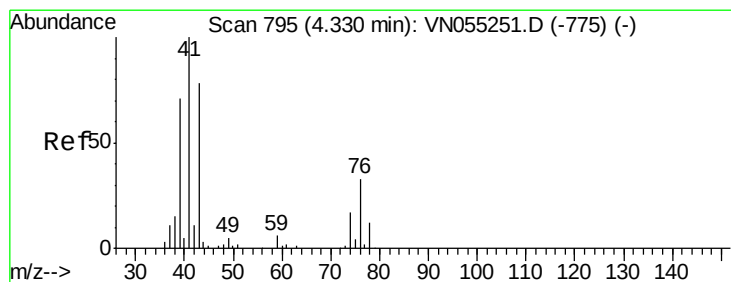
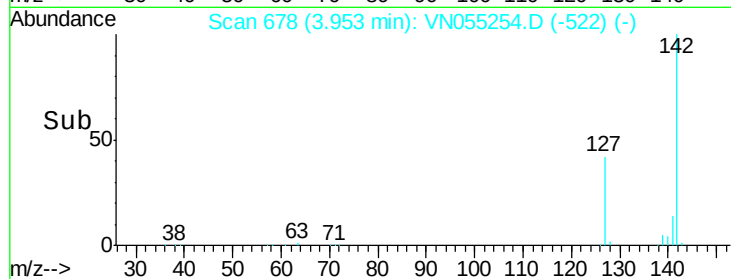
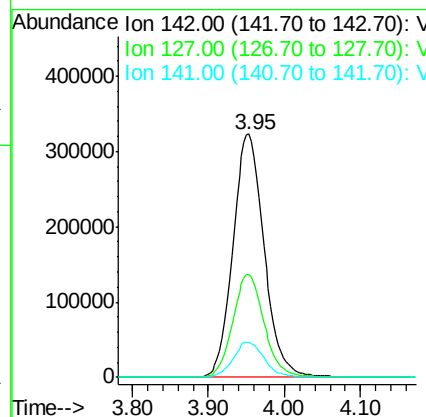
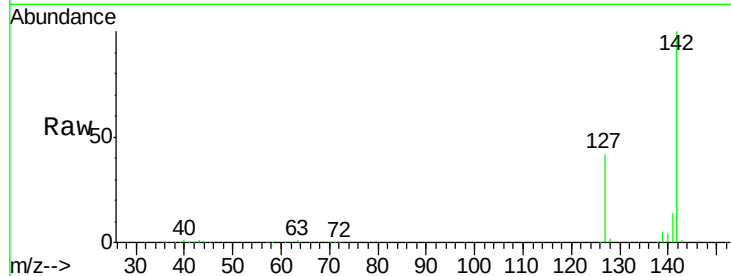
#11
Methvl Iodide
Concen: 184.566 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
142	100		
127	42.1	20.9	62.7
141	14.1	7.6	22.8

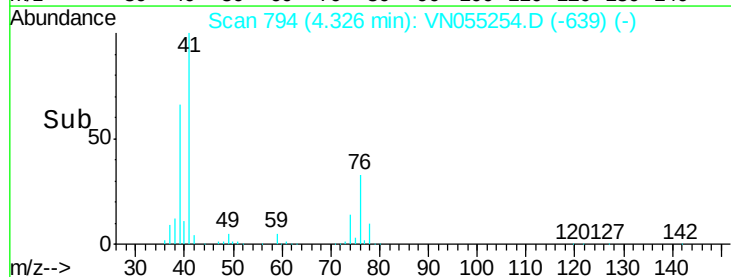
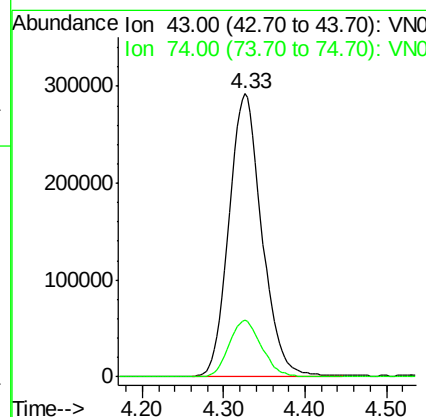
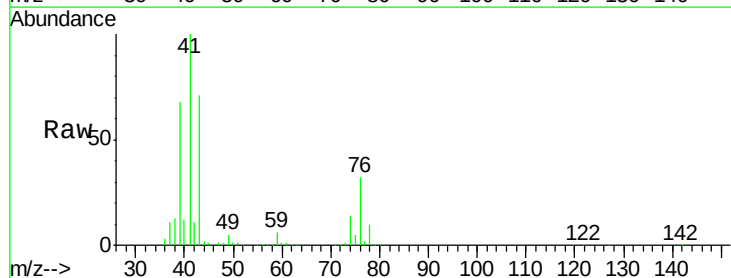
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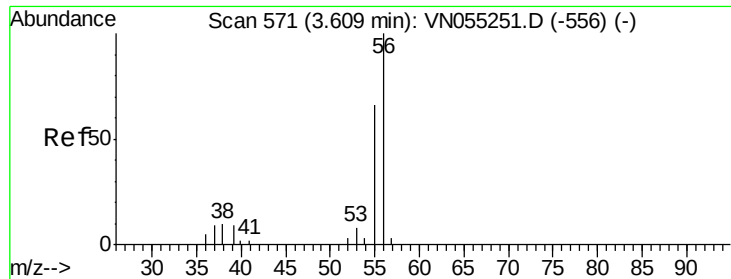
MMDadoda
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#12
Methyl Acetate
Concen: 194.594 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.0	17.7	26.5





#13

Acrolein

Concen: 552.695 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 176030

Ion Ratio Lower Upper

56 100

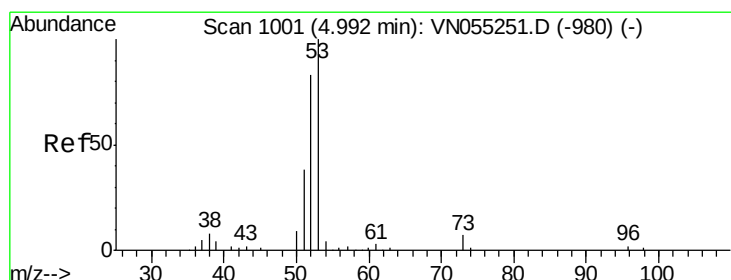
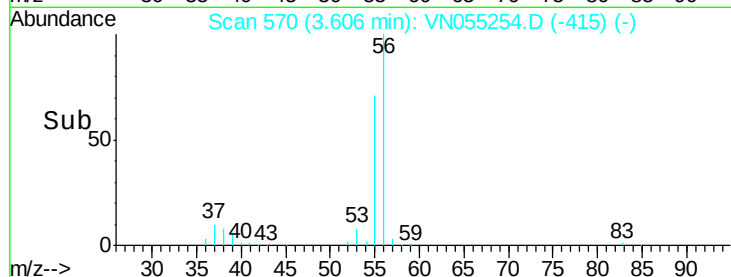
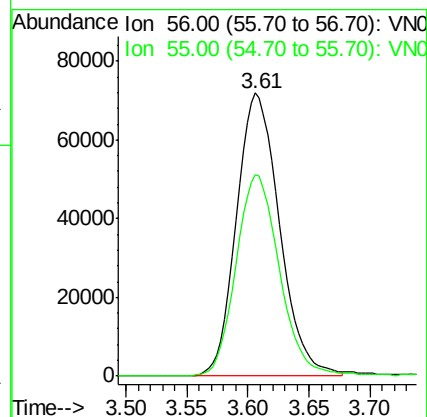
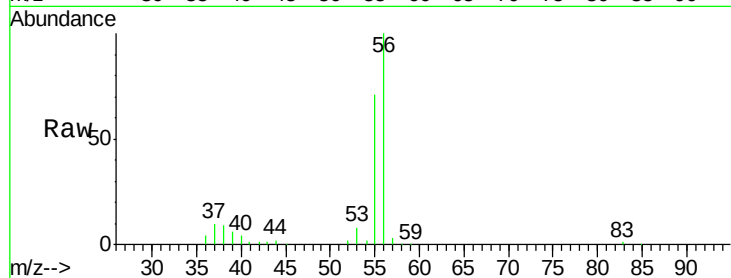
55 71.4 54.9 82.3

Manual Integrations

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#14

Acrylonitrile

Concen: 871.210 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

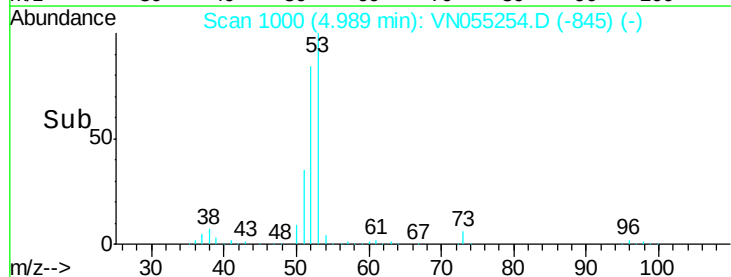
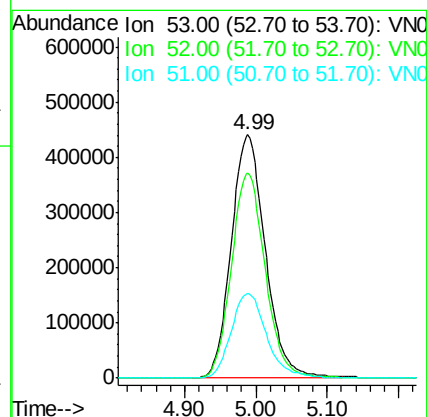
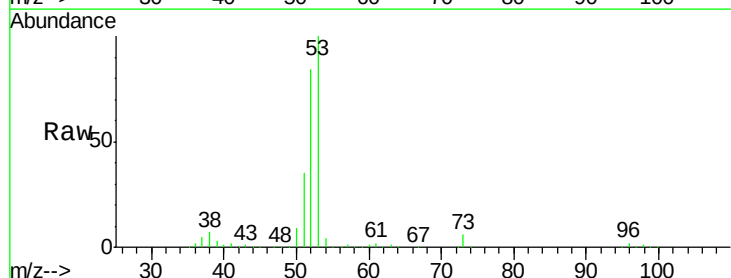
Tgt Ion: 53 Resp: 1465052

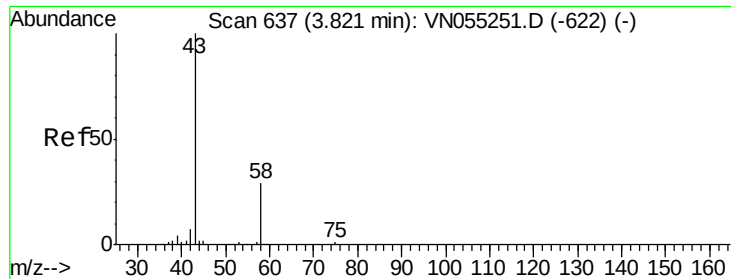
Ion Ratio Lower Upper

53 100

52 83.6 41.0 123.2

51 36.4 18.1 54.4





#15

Acetone

Concen: 846.495 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 58 Resp: 339564

Ion Ratio Lower Upper

58 100

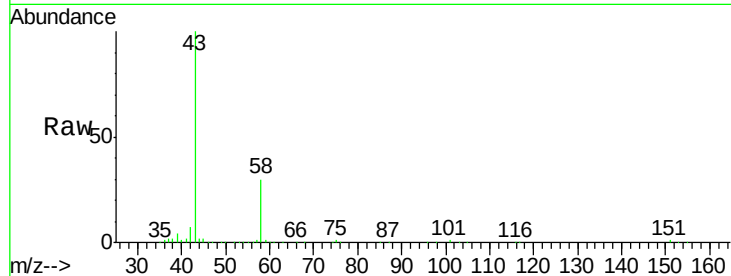
43 337.5 278.2 417.2

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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

500000

400000

300000

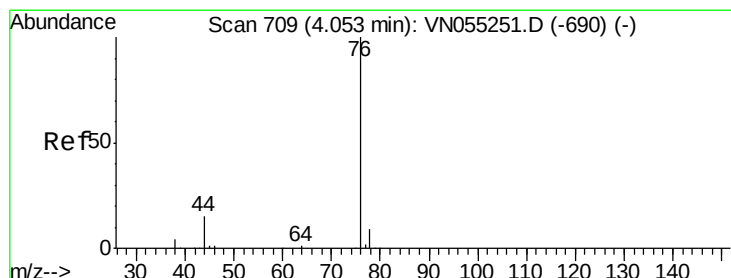
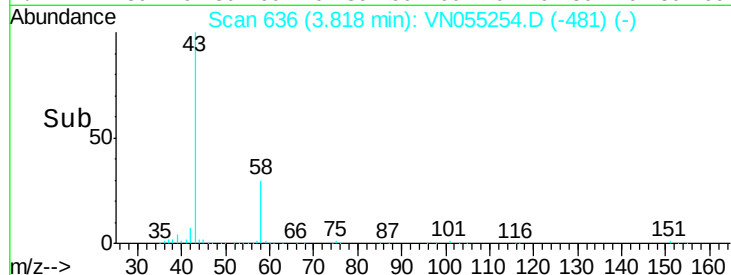
200000

100000

0

3.70 3.80 3.90

Time-->



#16

Carbon Disulfide

Concen: 152.520 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN055254.D

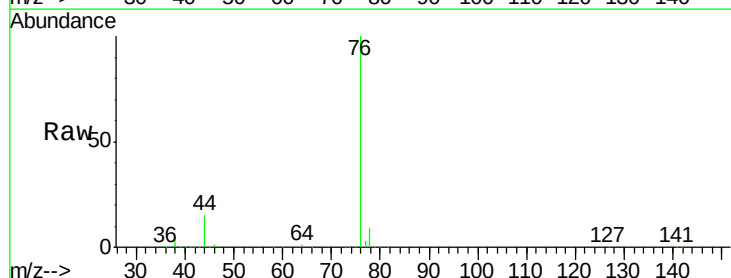
Acq: 25 Apr 2019 19:40

Tgt Ion: 76 Resp: 1603452

Ion Ratio Lower Upper

76 100

78 9.0 6.8 10.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

600000

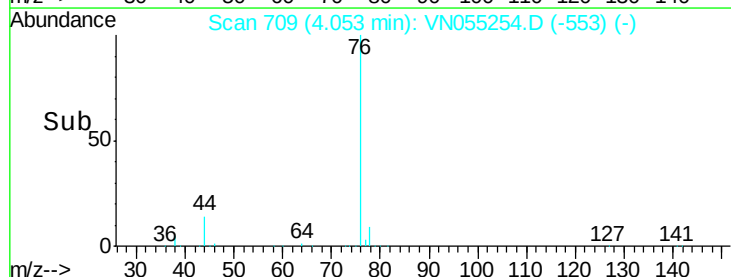
400000

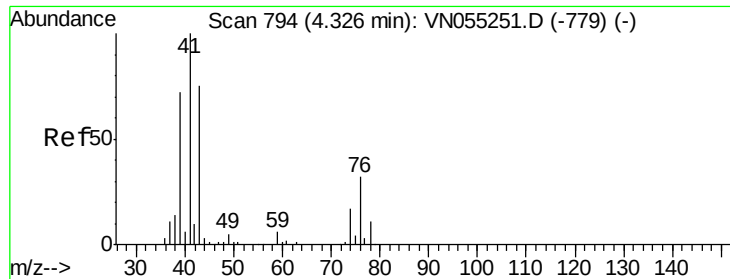
200000

0

3.90 4.00 4.10 4.20

Time-->





#17

Allvl chloride

Concen: 163.155 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 41 Resp: 1266900

Ion Ratio Lower Upper

41 100

39 67.7 34.4 103.2

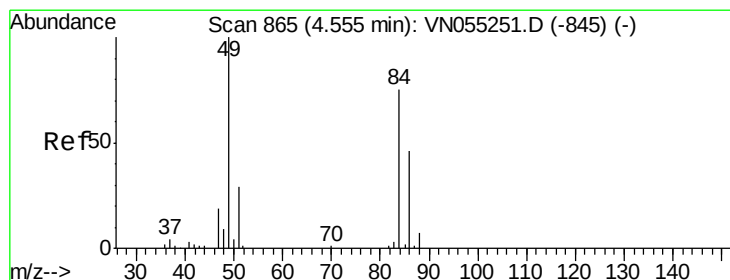
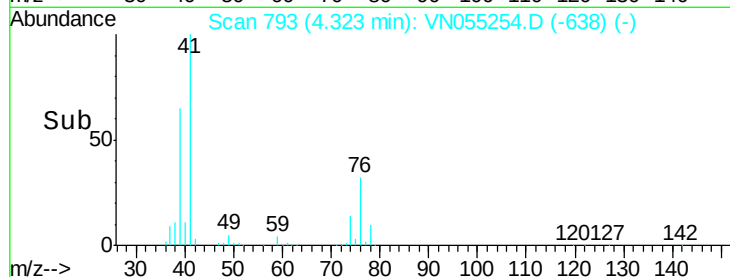
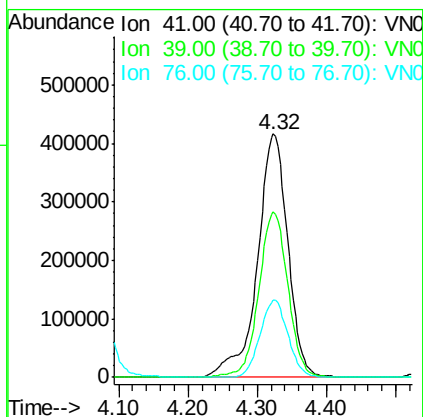
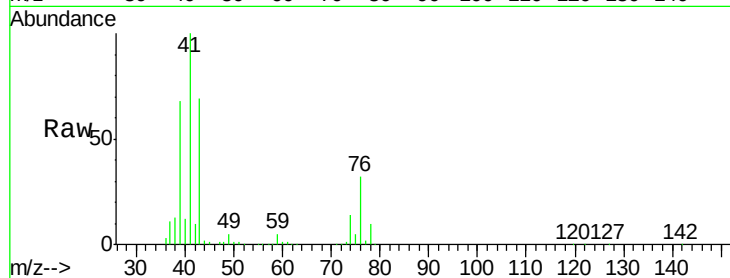
76 31.6 15.3 45.9

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#18

Methylene Chloride

Concen: 144.226 ug/l

RT: 4.55 min Scan# 864

Delta R.T. -0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Tgt Ion: 84 Resp: 675467

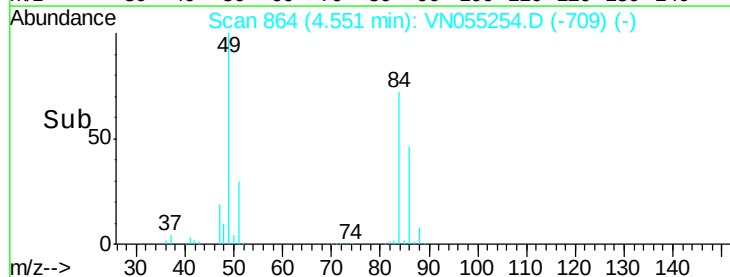
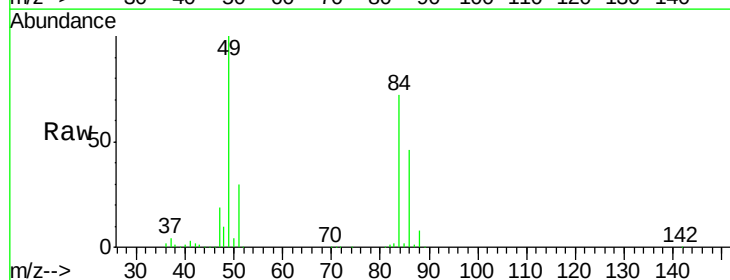
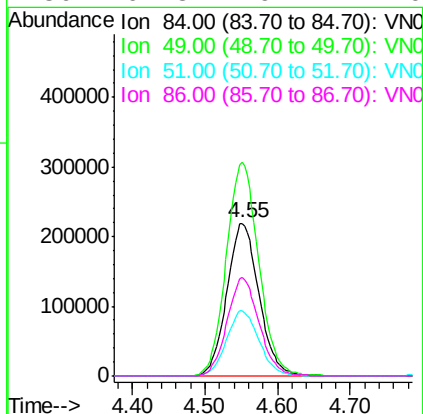
Ion Ratio Lower Upper

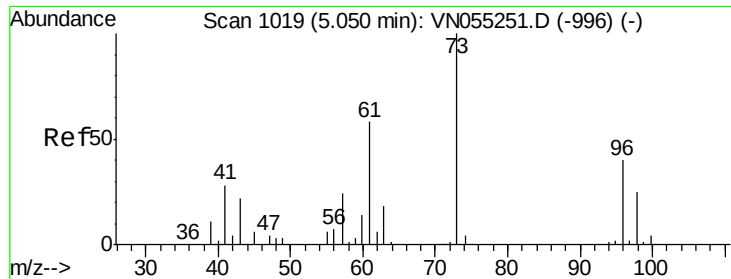
84 100

49 139.6 107.2 160.8

51 42.6 31.4 47.2

86 64.3 49.4 74.0





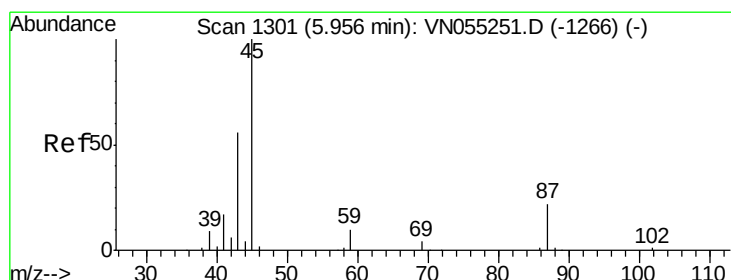
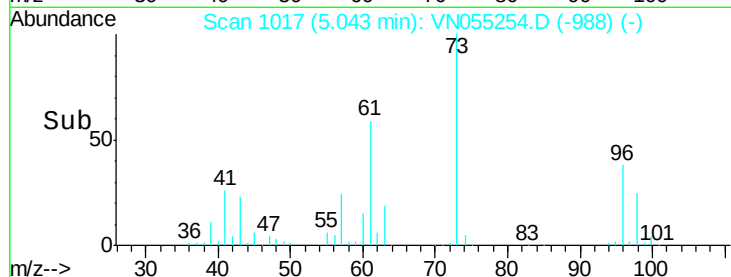
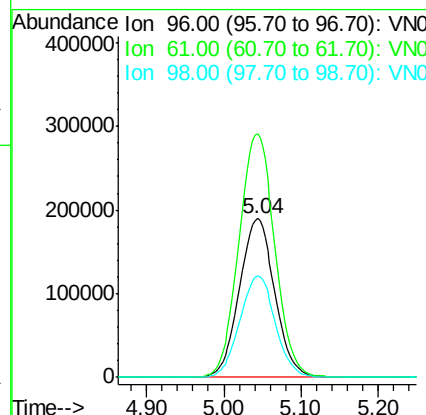
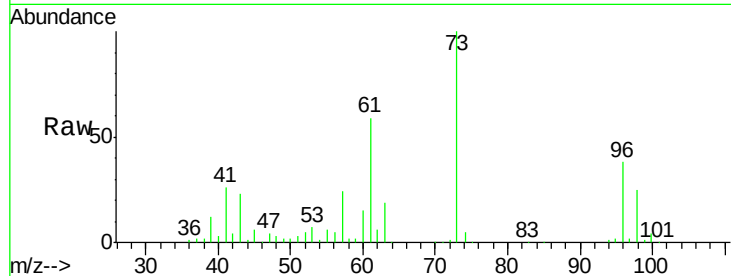
#19
trans-1,2-Dichloroethene
Concen: 146.734 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.2	116.3	174.5
98	64.2	49.4	74.2

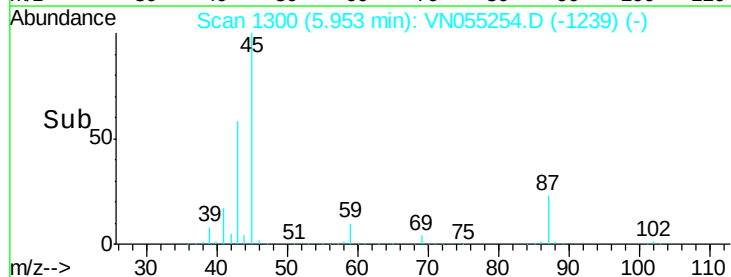
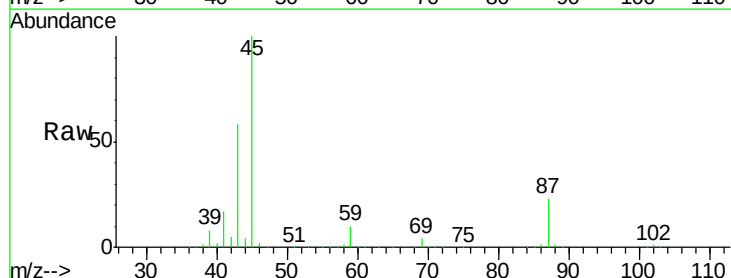
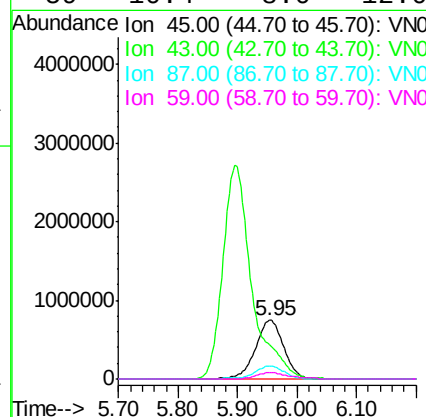
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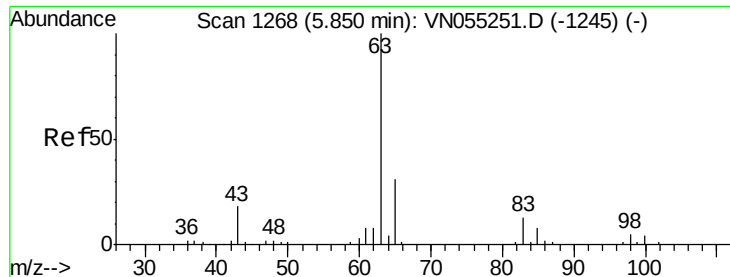
MMDadoda
4/26/2019 10:53:01 AM



#20
Diisopropyl ether
Concen: 156.608 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.8	46.1	69.1
87	22.5	18.3	27.5
59	10.4	8.0	12.0





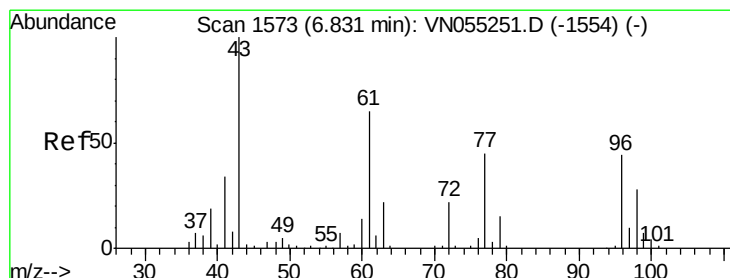
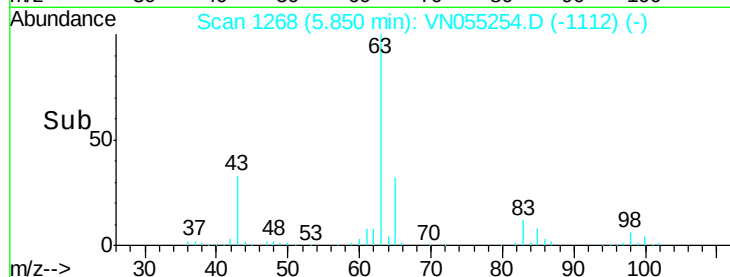
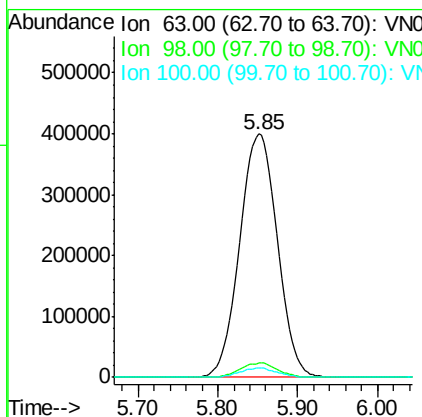
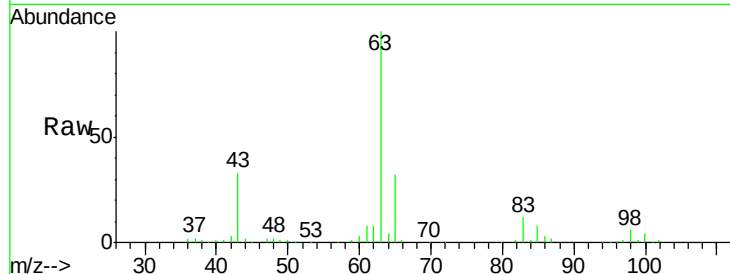
#21
 1,1-Dichloroethane
 Concen: 151.317 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
98	5.8	2.8	8.3
100	3.7	2.0	5.8

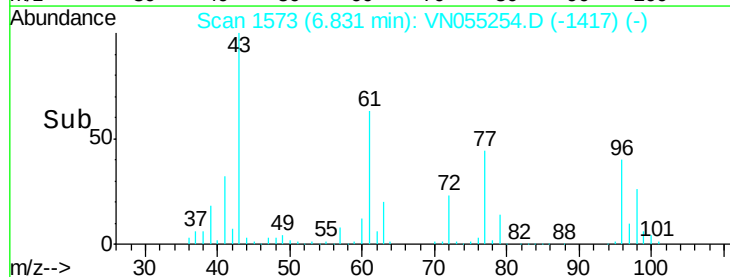
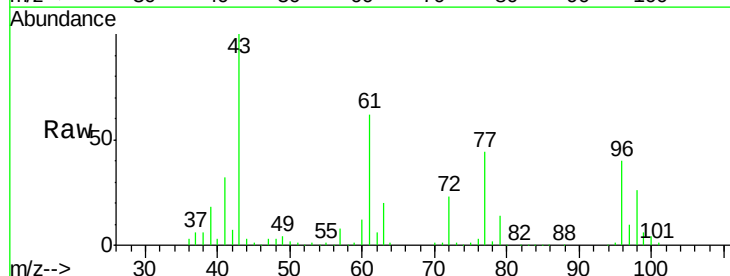
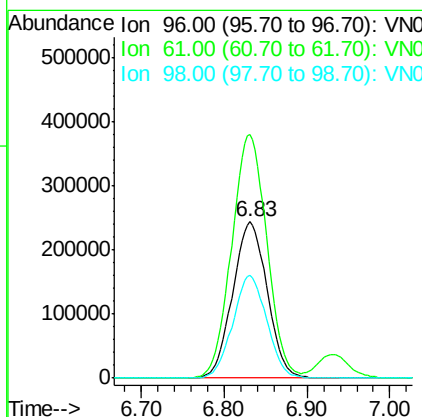
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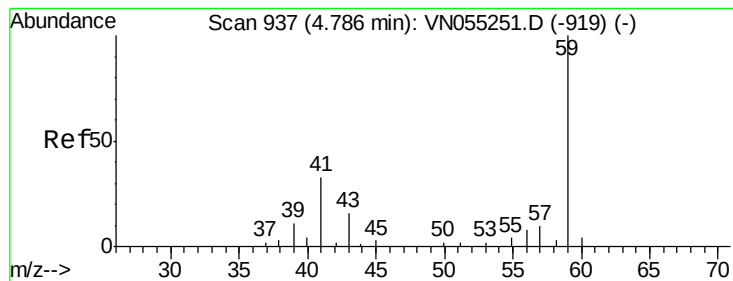
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#22
 cis-1,2-Dichloroethene
 Concen: 148.773 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.5	129.1	193.7
98	64.7	53.2	79.8





#23

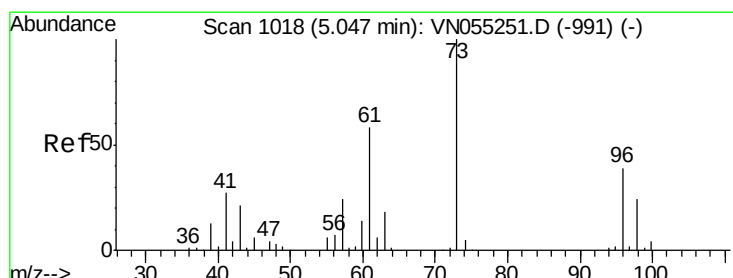
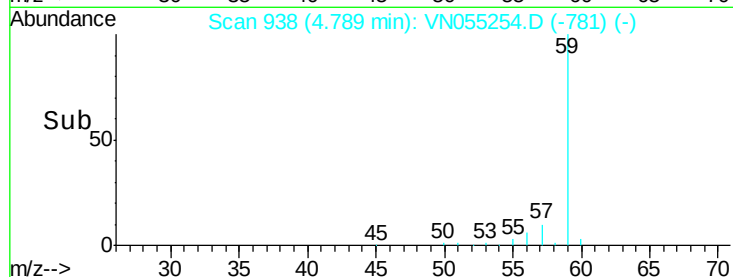
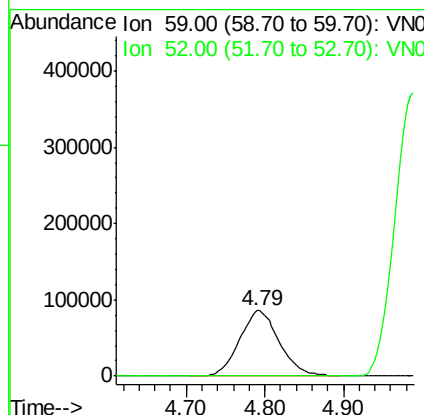
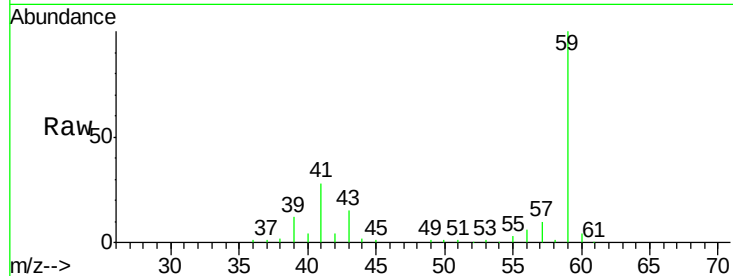
tert-Butyl Alcohol
 Concen: 1082.617 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	304918		
52	52	0.1	0.0	0.0	0.0

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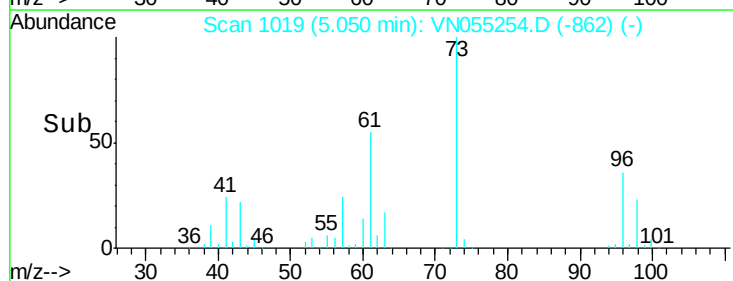
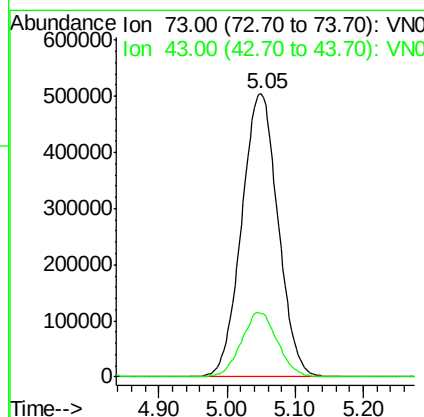
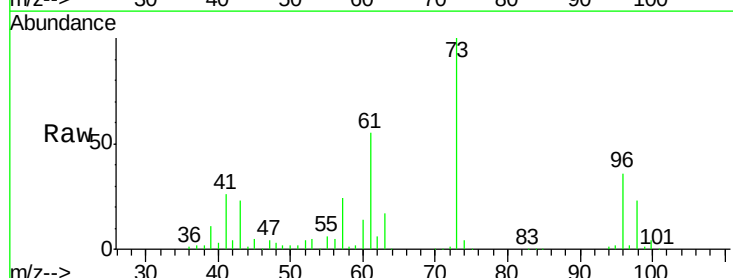
MMDadoda
 4/26/2019 10:53:01 AM

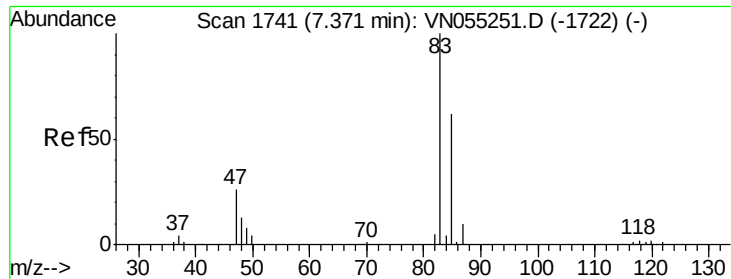


#24

Methyl tert-Butyl Ether
 Concen: 171.038 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
73	73	100	1871978		
43	43	22.4	17.9	26.9	





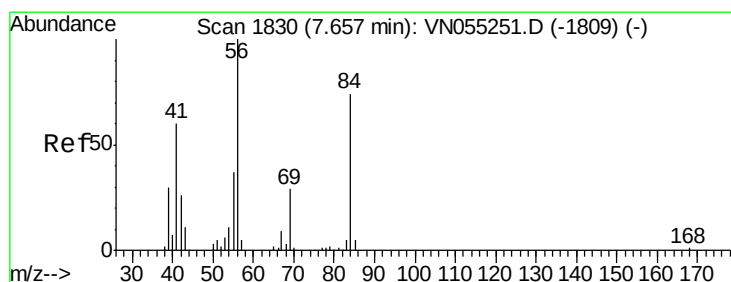
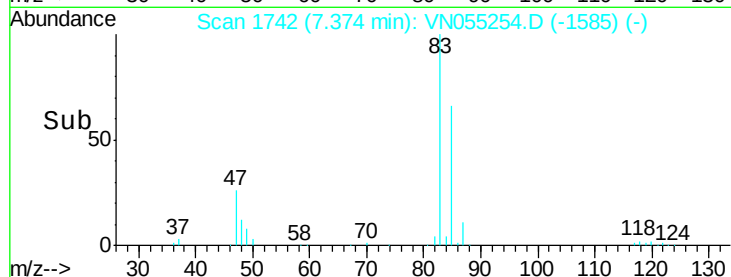
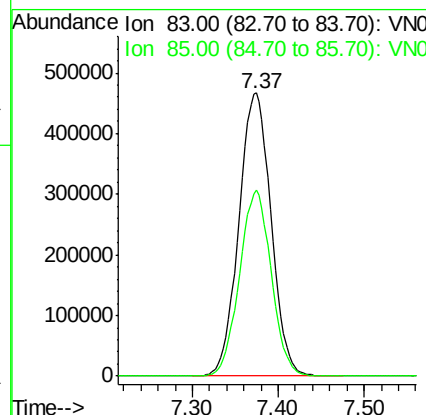
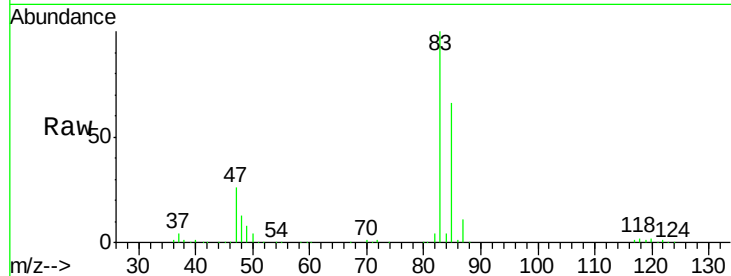
#25
Chloroform
Concen: 150.563 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 1213363
Ion Ratio Lower Upper
83 100
85 65.5 49.7 74.5

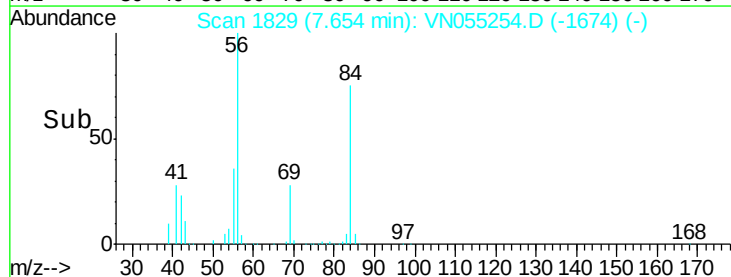
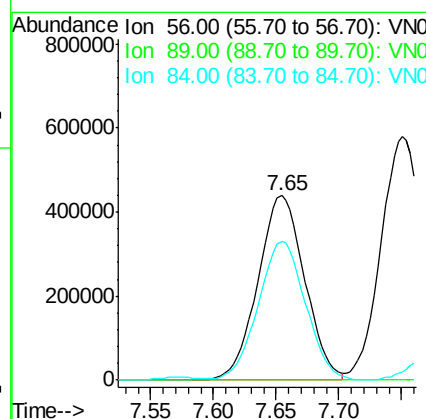
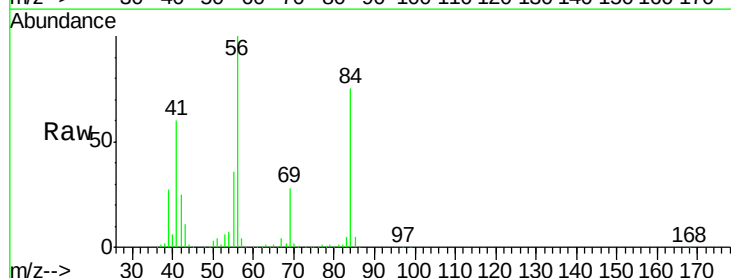
Manual Integrations
APPROVED

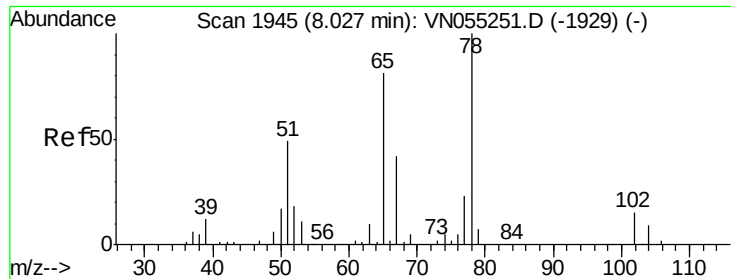
MMdadoda
4/26/2019 10:53:01 AM



#26
Cyclohexane
Concen: 147.950 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

Tgt Ion: 56 Resp: 1139240
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 75.5 63.5 95.3





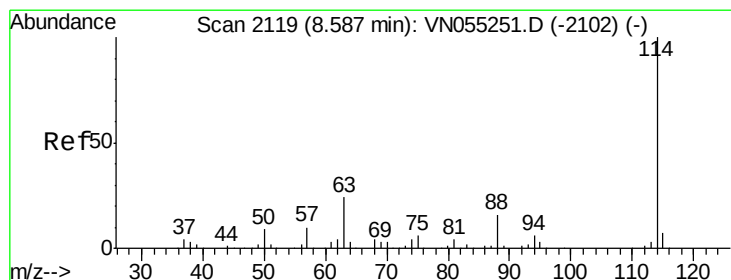
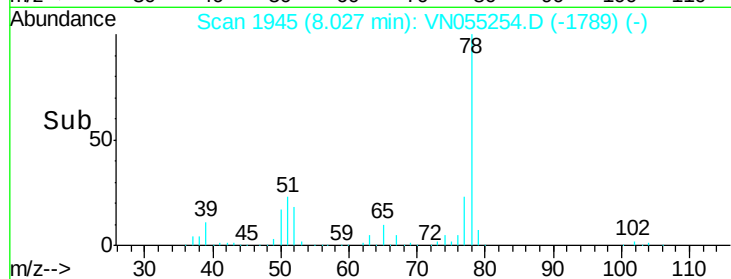
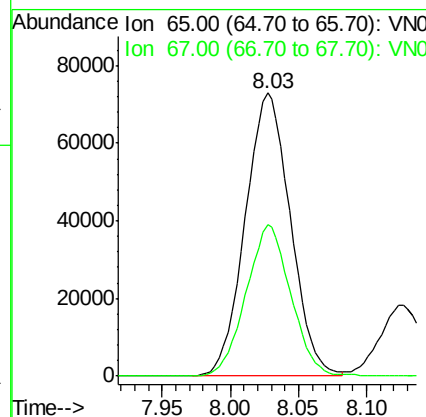
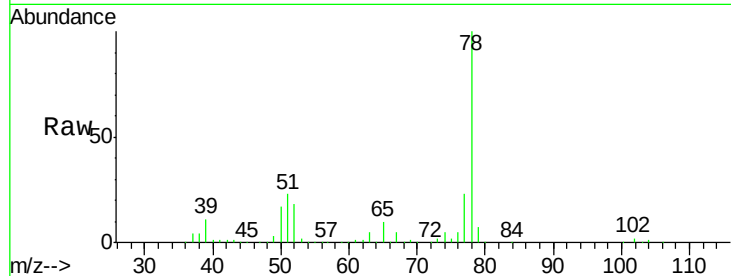
#27
 1,2-Dichloroethane-d4
 Concen: 31.097 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.8	41.9	62.9

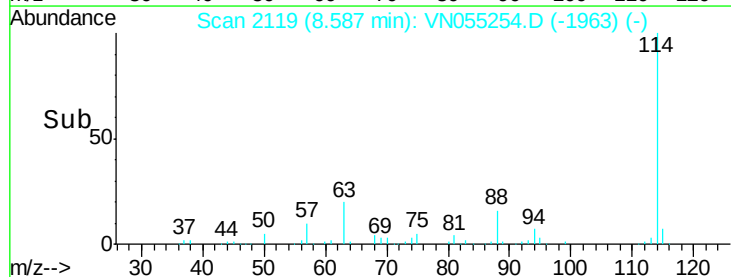
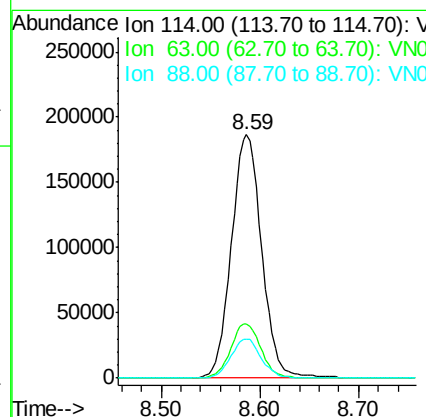
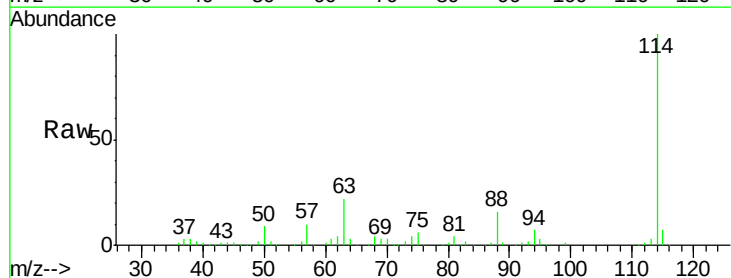
Manual Integrations
 APPROVED

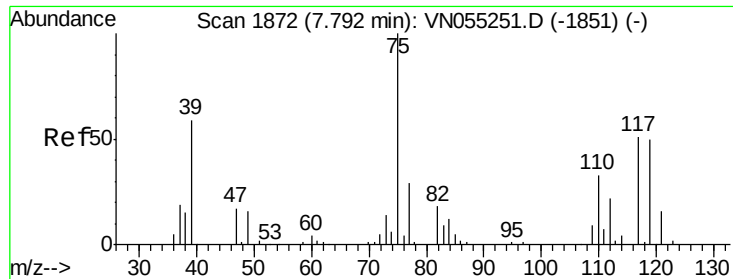
MMdadoda
 4/26/2019 10:53:01 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.2	18.2	27.2
88	15.9	12.6	18.8





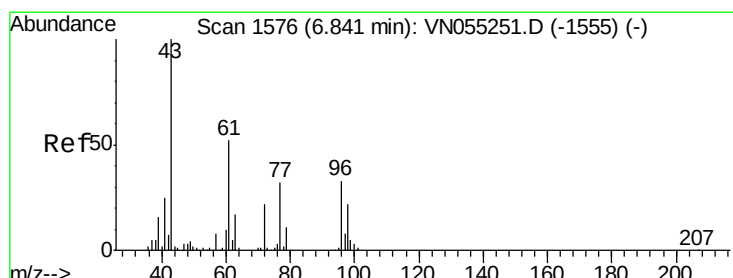
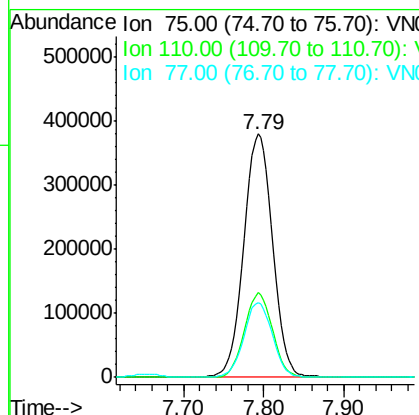
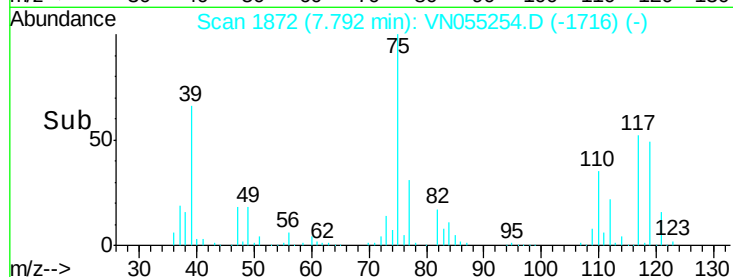
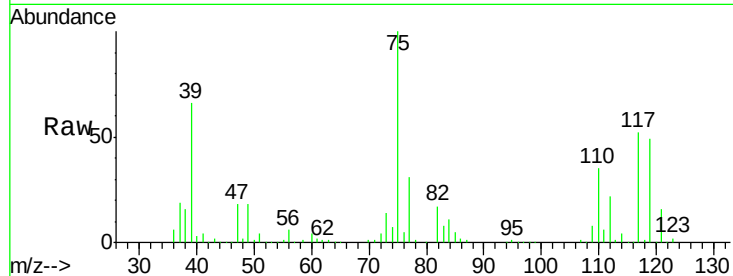
#29
 1,1-Dichloropropene
 Concen: 146.947 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.8	0.0	68.6	
77	30.3	0.0	61.6	

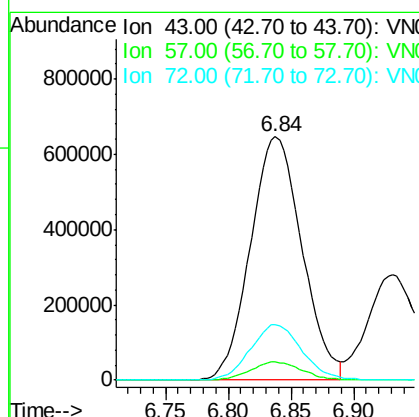
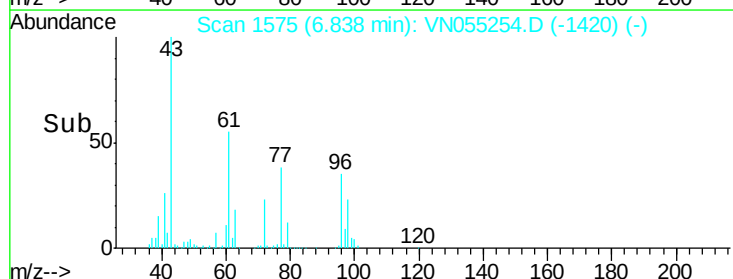
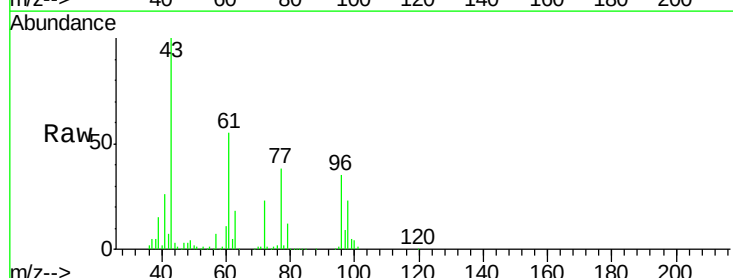
Manual Integrations
 APPROVED

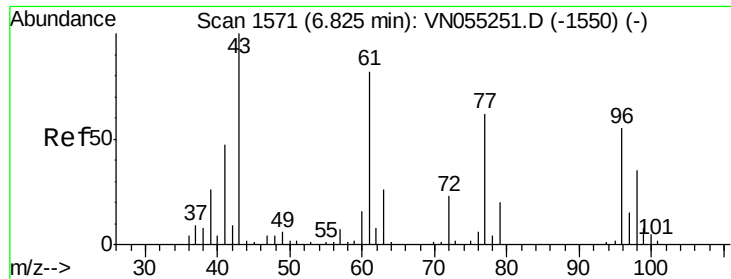
MMdadoda
 4/26/2019 10:53:01 AM



#30
 2-Butanone
 Concen: 840.756 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
57	7.5	6.0	9.0	
72	22.9	17.9	26.9	





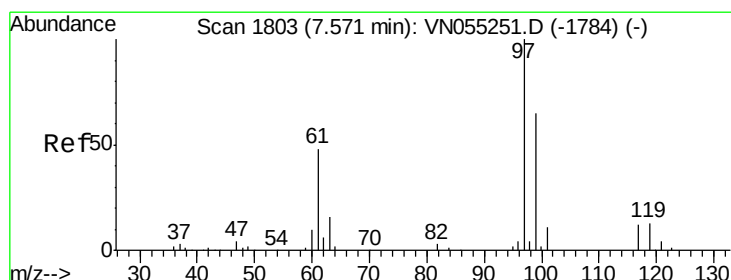
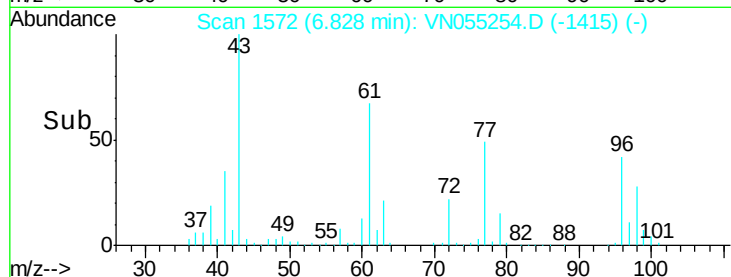
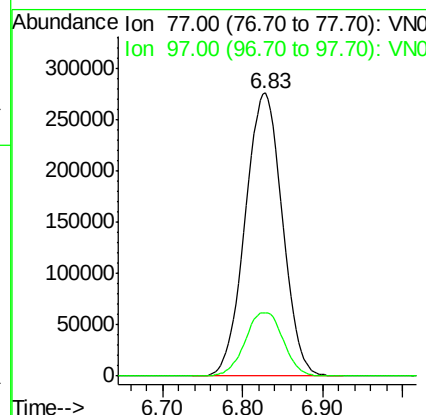
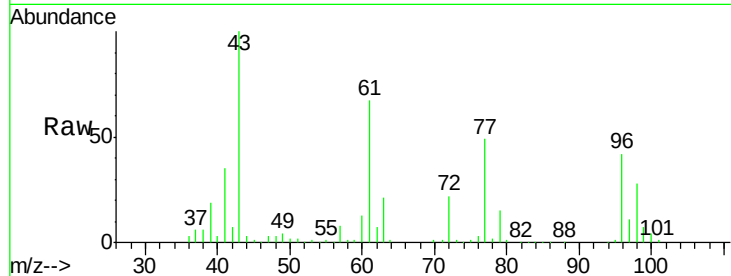
#31
 2,2-Dichloropropane
 Concen: 148.662 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
77	100		
97	23.1	18.6	28.0

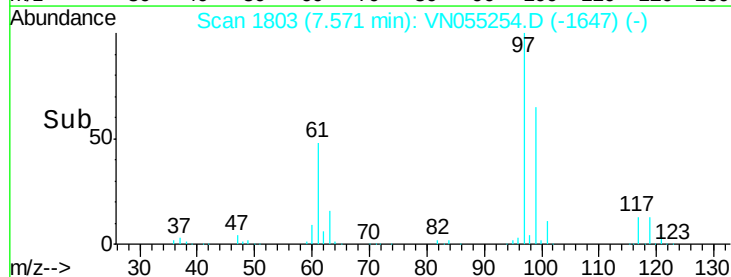
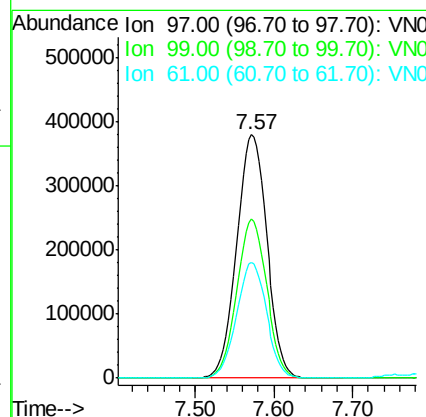
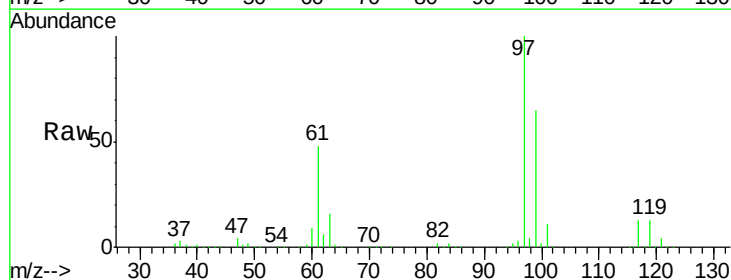
Manual Integrations
 APPROVED

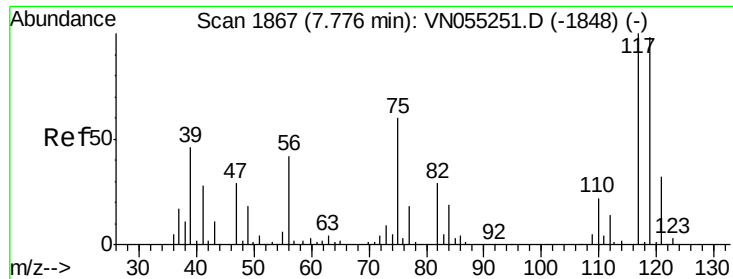
MMdadoda
 4/26/2019 10:53:01 AM



#32
 1,1,1-Trichloroethane
 Concen: 151.131 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.2	76.8
61	47.0	38.3	57.5





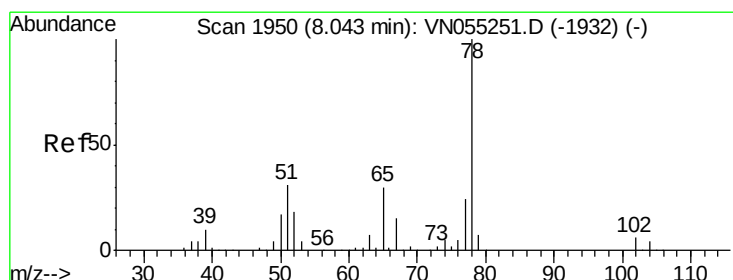
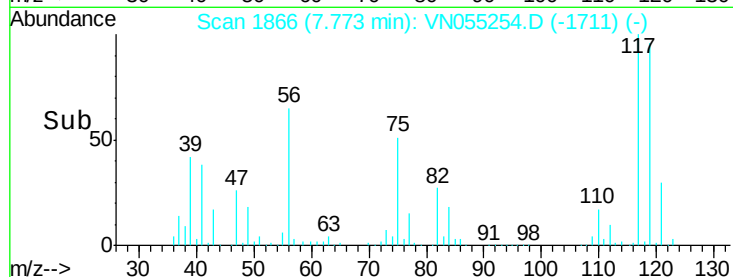
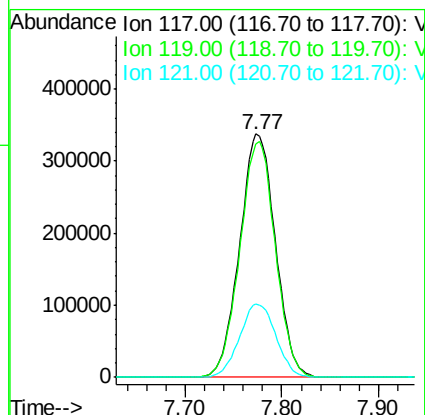
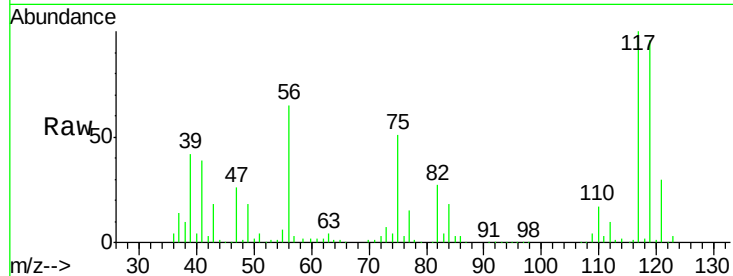
#33
Carbon Tetrachloride
Concen: 149.755 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.9	78.7	118.1
121	30.0	25.8	38.6

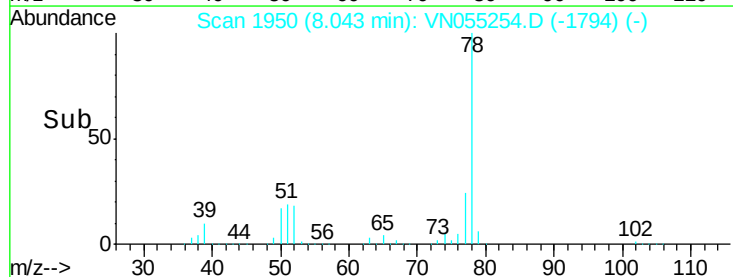
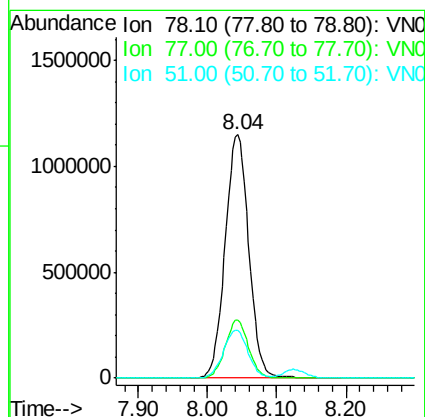
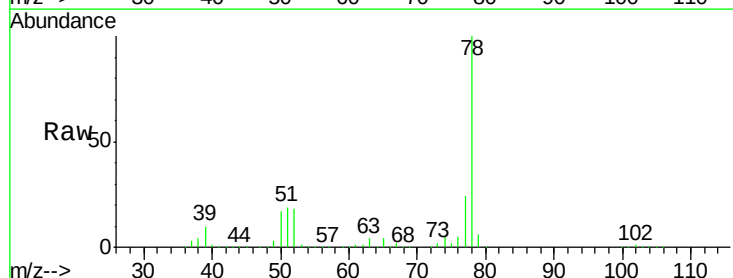
Manual Integrations
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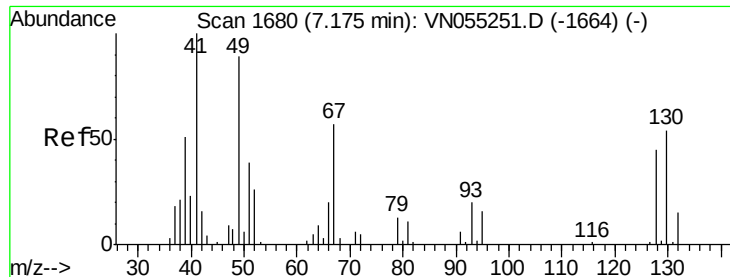
MMdadoda
4/26/2019 10:53:01 AM



#34
Benzene
Concen: 145.681 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.1	28.7
51	19.4	24.5	36.7#





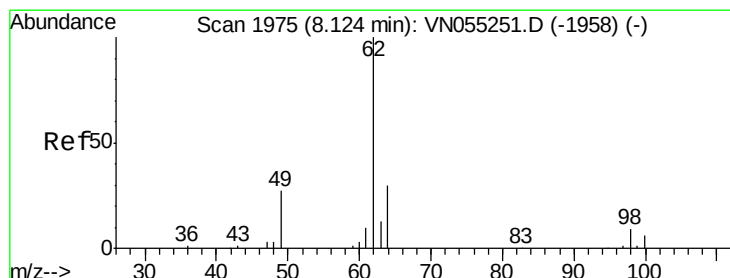
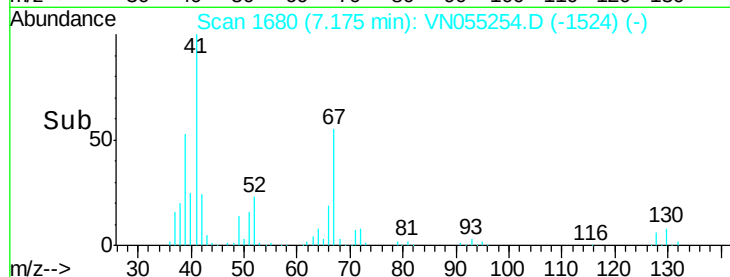
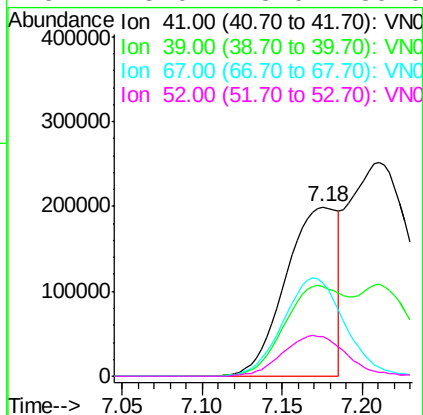
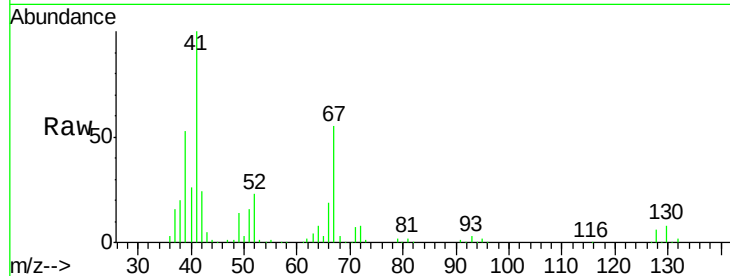
#35
Methacrylonitrile
Concen: 170.642 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		450570		
39	52.7	25.3	75.8		
67	55.4	28.7	86.1		
52	23.0	13.0	39.0		

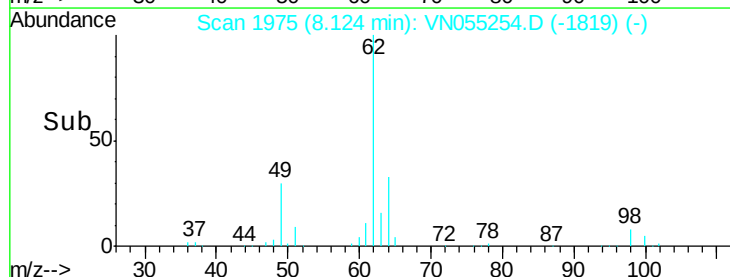
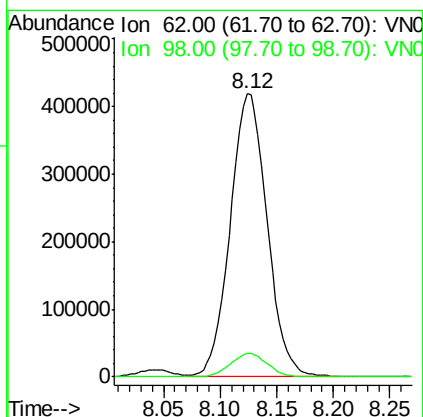
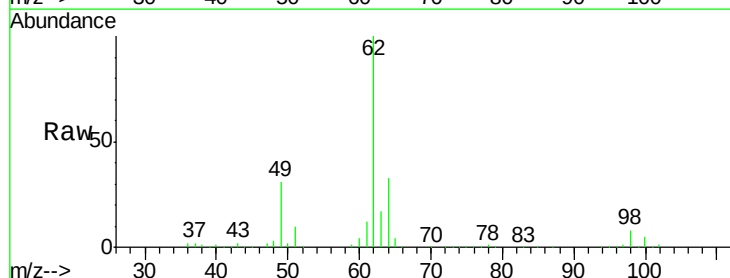
Manual Integrations
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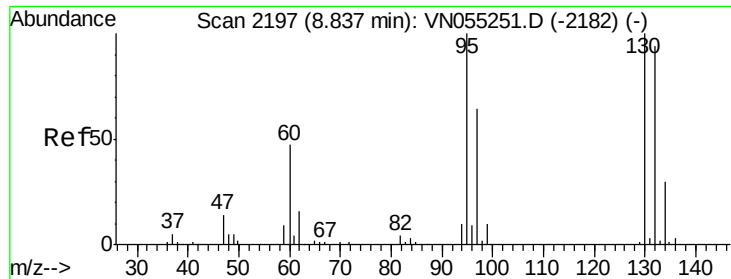
MMDadoda
4/26/2019 10:53:01 AM



#36
1,2-Dichloroethane
Concen: 146.321 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		946733		
98	8.4	6.8	10.2		





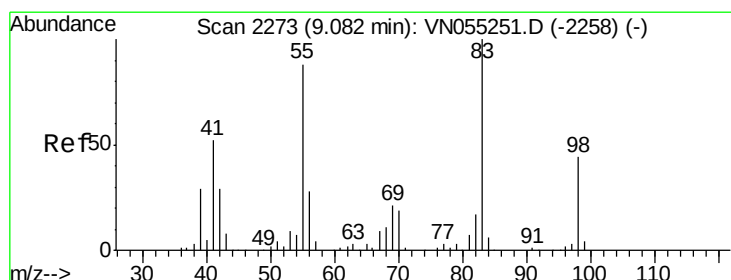
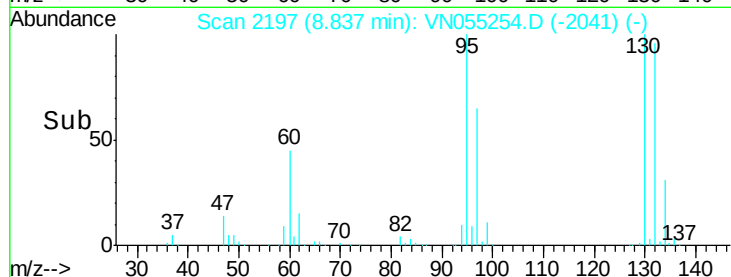
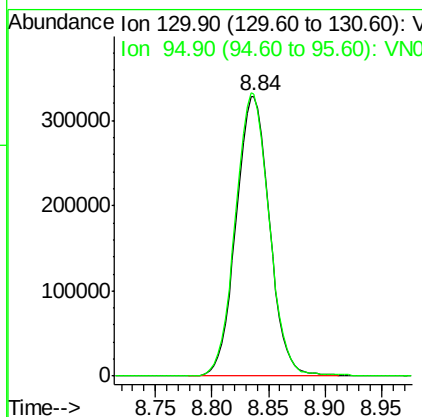
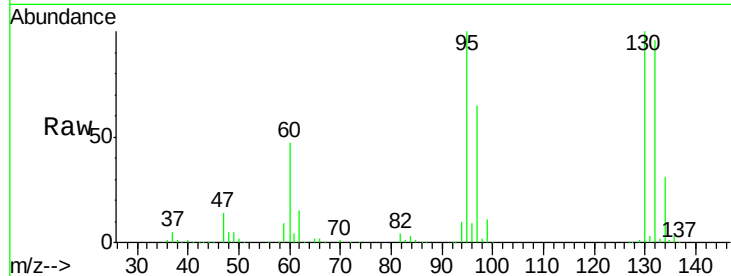
#37
 Trichloroethene
 Concen: 142.384 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
130	100		676686		
95	100.5	79.9	119.9		

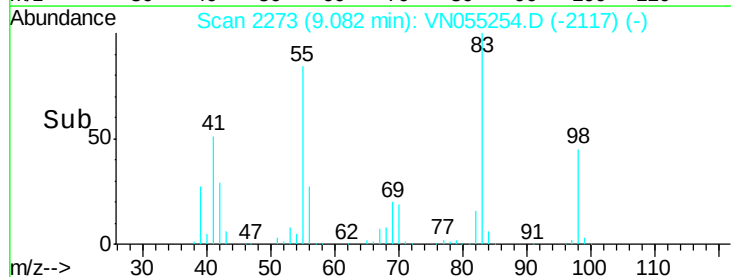
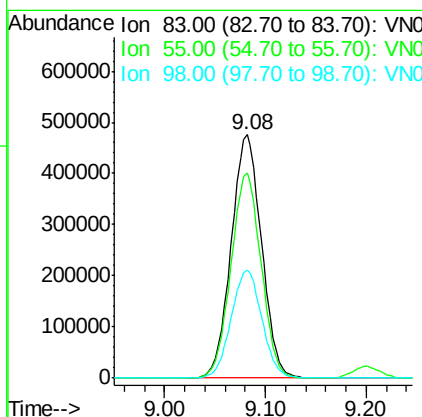
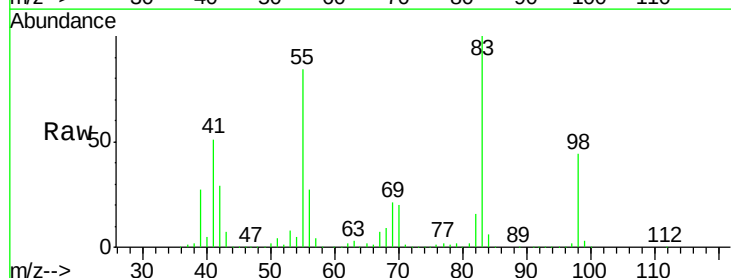
Manual Integrations
 APPROVED

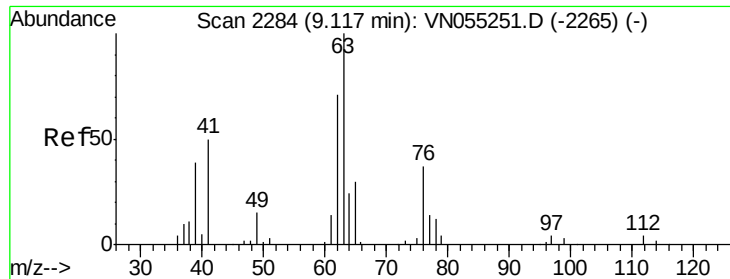
MMdadoda
 4/26/2019 10:53:01 AM



#38
 Methylcyclohexane
 Concen: 138.673 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		993913		
55	83.8	43.8	131.4		
98	44.9	22.4	67.2		





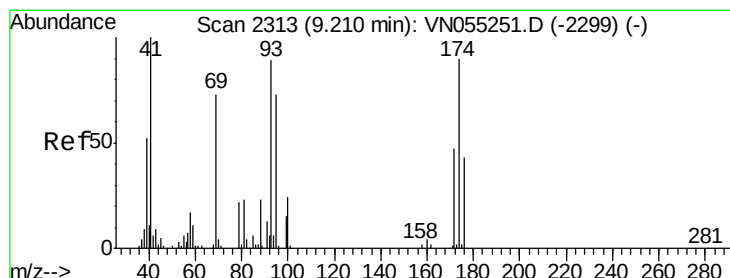
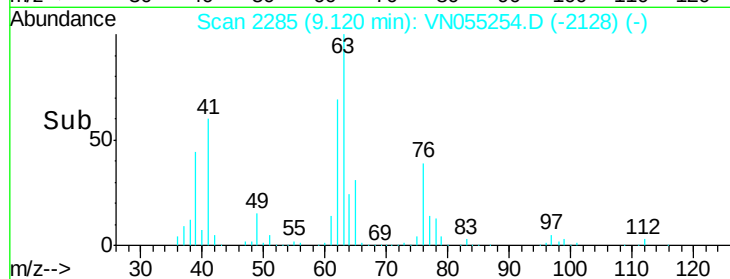
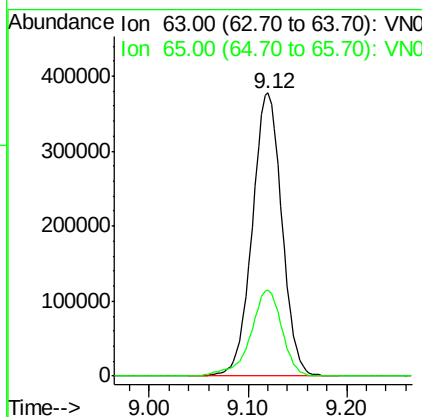
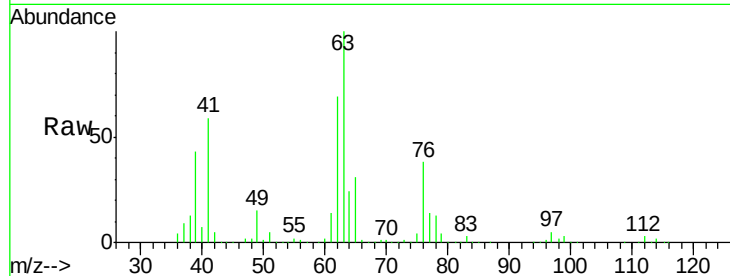
#39
 1,2-Dichloropropane
 Concen: 148.965 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	63	Resp	779458
Ion Ratio	100	Lower	Upper
63	100		
65	30.6	24.6	36.8

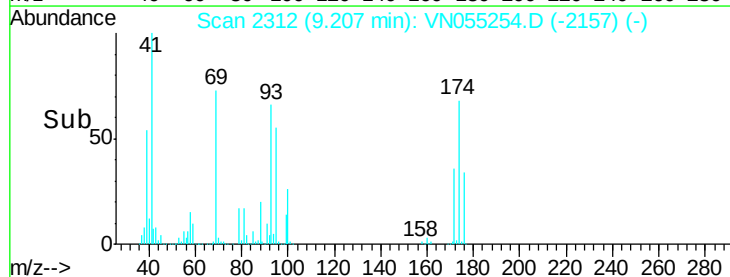
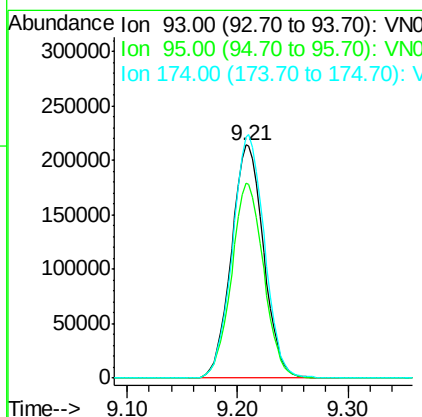
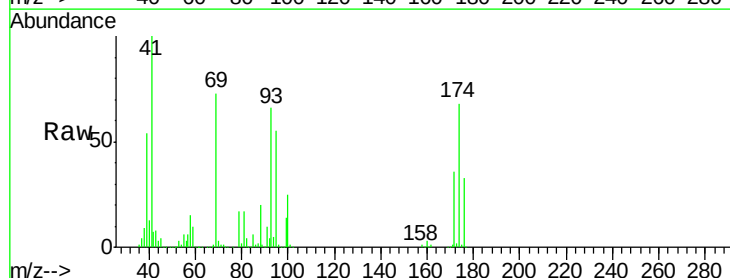
Manual Integrations
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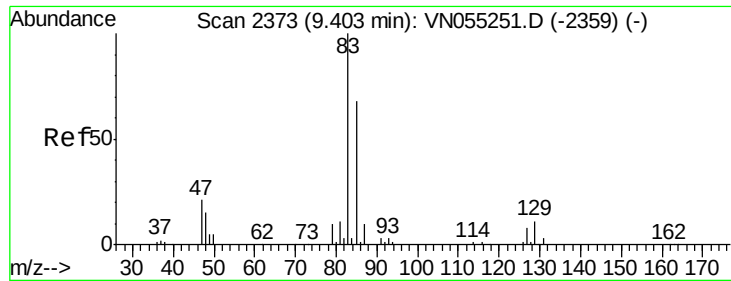
MMdadoda
 4/26/2019 10:53:01 AM



#40
 Dibromomethane
 Concen: 145.868 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

Tgt Ion	93	Resp	433854
Ion Ratio	100	Lower	Upper
93	100		
95	83.3	0.0	164.8
174	103.6	0.0	203.4





#41

Bromodichloromethane

Concen: 153.125 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Instrument :

MSVOA_N

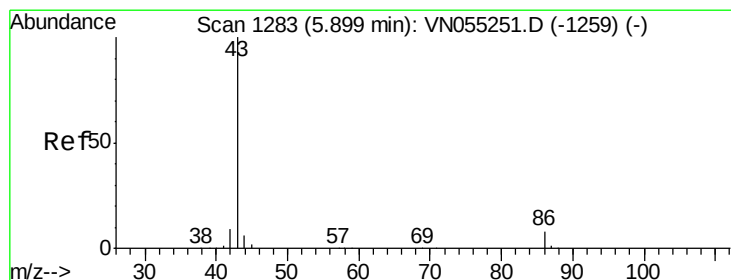
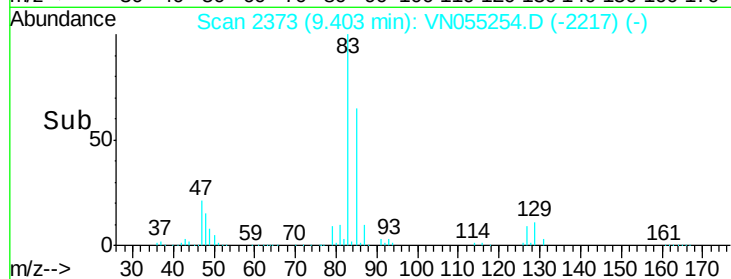
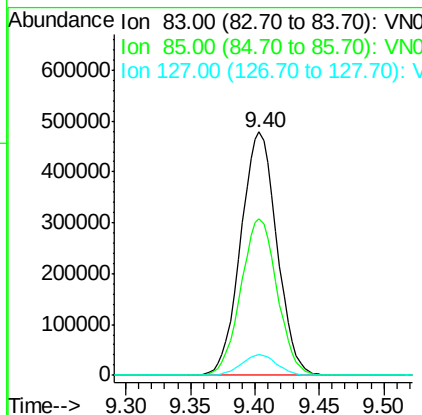
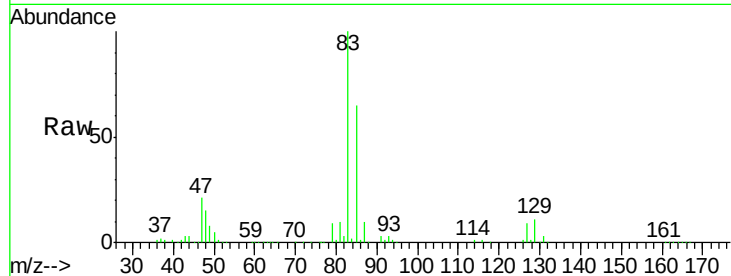
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	933999
Ion	Ratio	Lower	Upper
83	100		
85	64.5	54.5	81.7
127	8.6	6.4	9.6

Manual Integrations
APPROVED

MMdadoda
4/26/2019 10:53:01 AM



#42

Vinyl Acetate

Concen: 833.774 ug/l

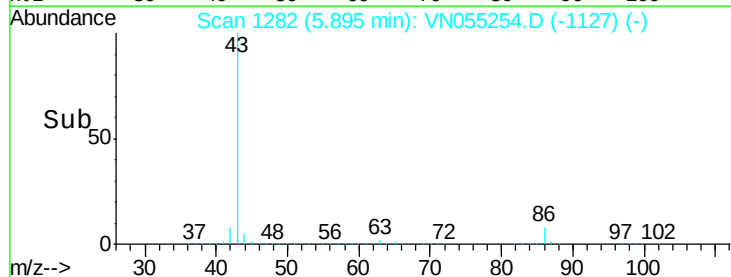
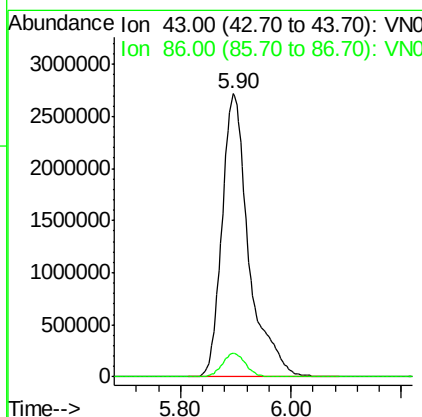
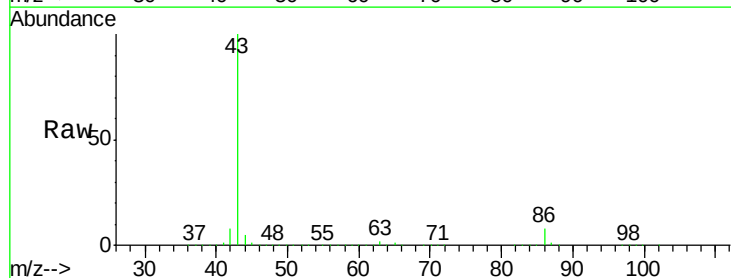
RT: 5.90 min Scan# 1282

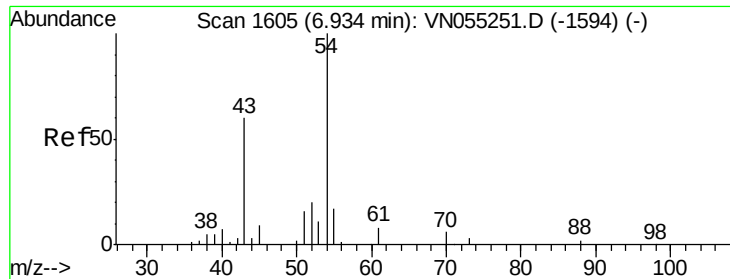
Delta R.T. -0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Tgt Ion:	43	Resp:	9154845
Ion	Ratio	Lower	Upper
43	100		
86	7.3	5.7	8.5





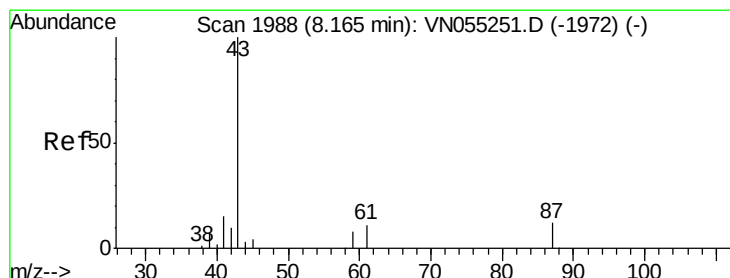
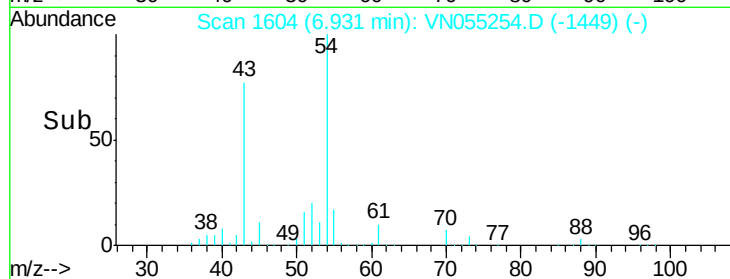
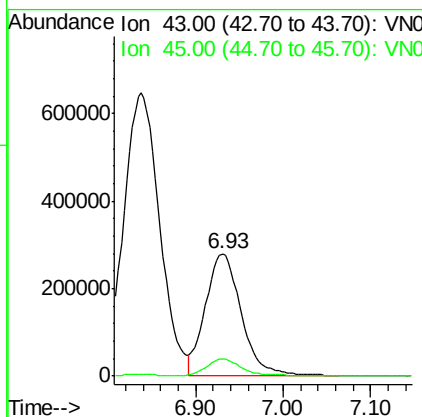
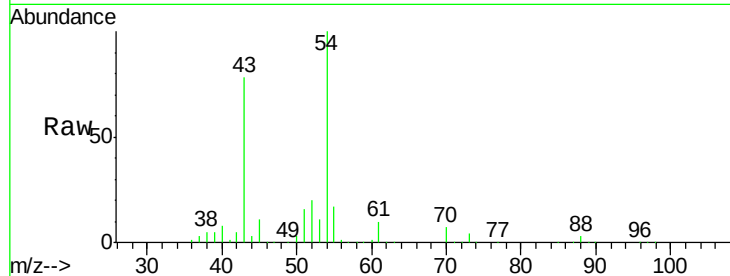
#43
Ethyl Acetate
Concen: 172.307 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tot Ion: 43 Resp: 790490
Ion Ratio Lower Upper
43 100
45 12.8 9.6 14.4

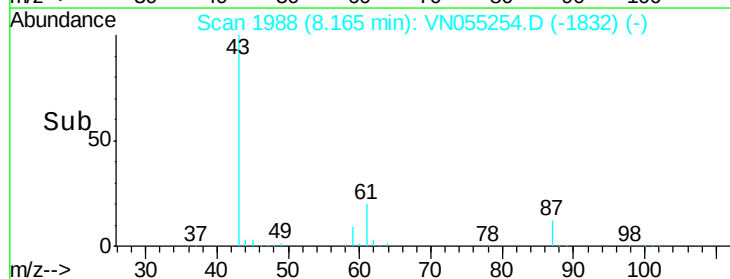
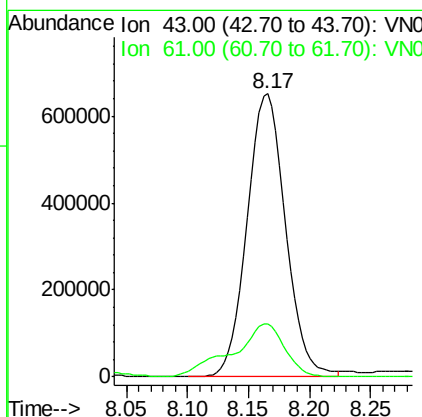
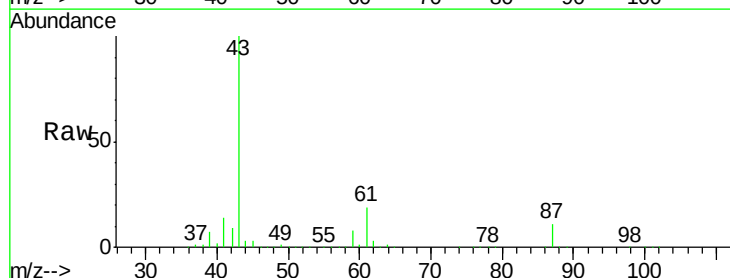
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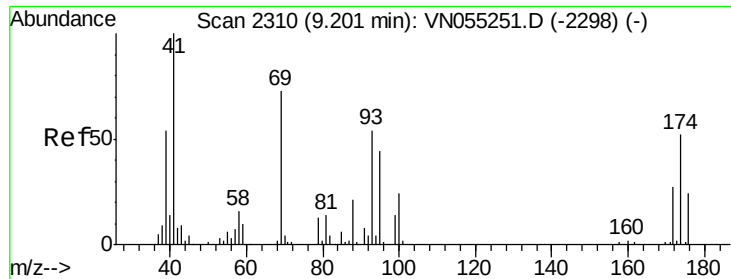
MMdadoda
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#44
Isopropyl Acetate
Concen: 179.511 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

Tgt Ion: 43 Resp: 1416316
Ion Ratio Lower Upper
43 100
61 25.4 12.6 18.8#





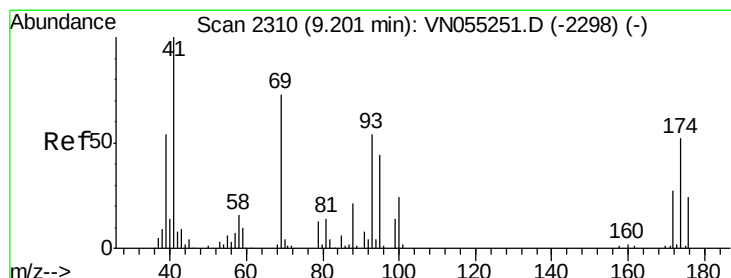
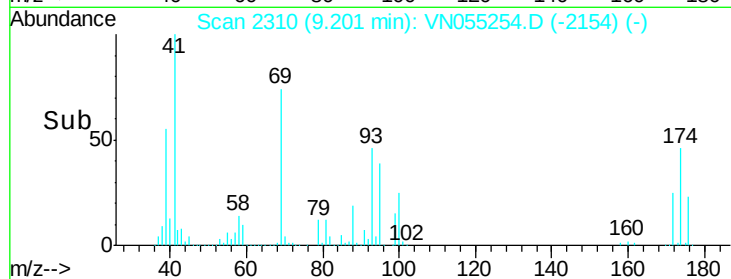
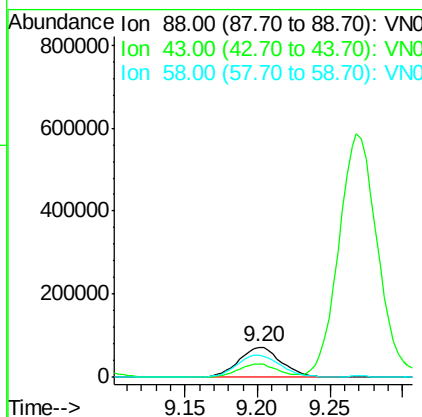
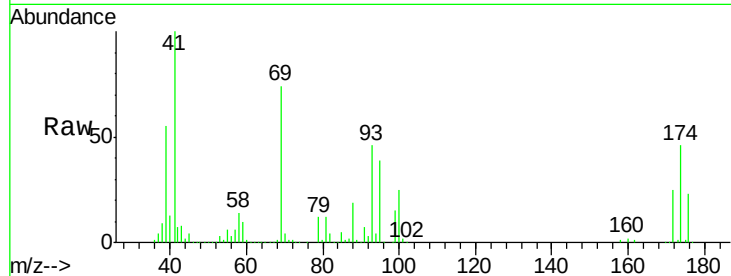
#45
 1,4-Dioxane
 Concen: 3485.456 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
88	100	148591		
43	40.7	29.4	44.0	
58	76.8	62.4	93.6	

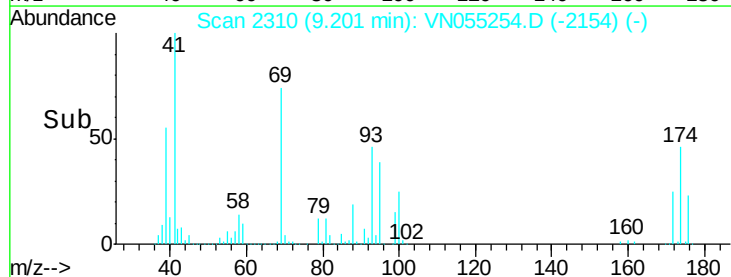
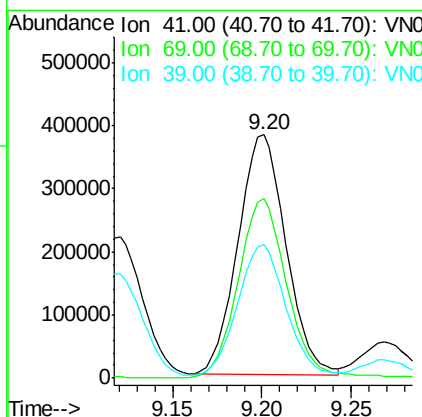
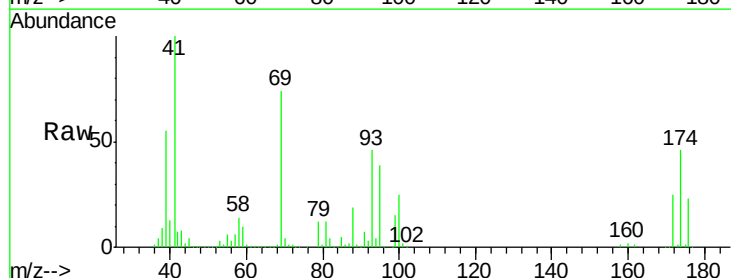
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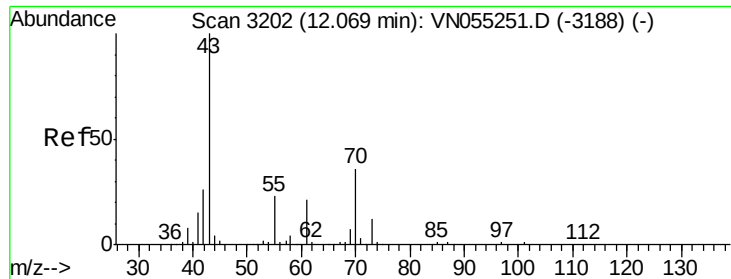
MMdadoda
 4/26/2019 10:53:01 AM



#46
 Methyl methacrylate
 Concen: 179.813 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	716758		
69	74.5	36.4	109.3	
39	54.6	26.9	80.7	





#47

n-amvl Acetate

Concen: 203.642 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1151577

Ion Ratio Lower Upper

43 100

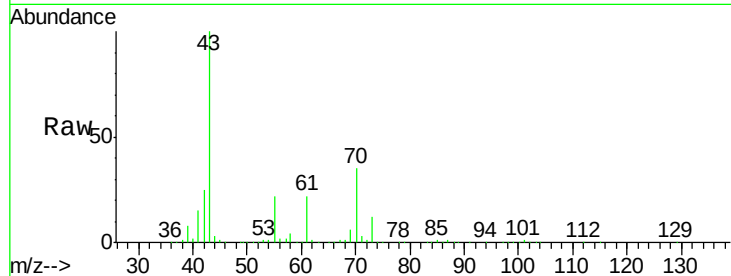
55 22.1 18.1 27.1

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12.07

800000

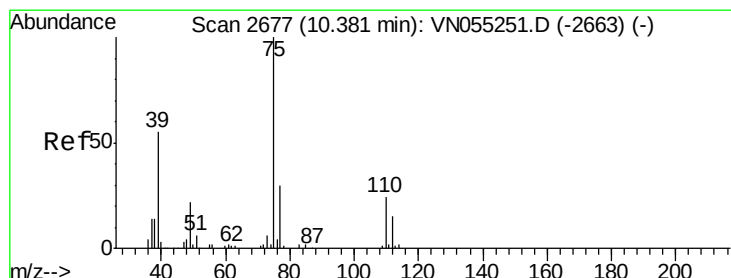
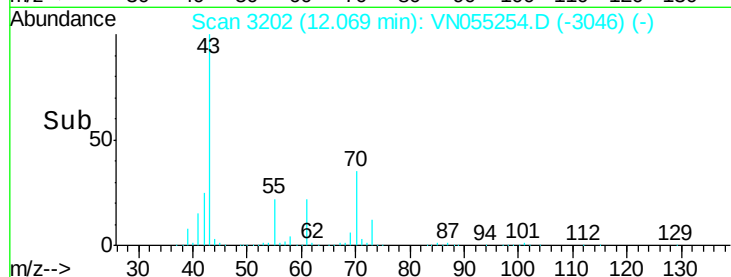
600000

400000

200000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 175.863 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055254.D

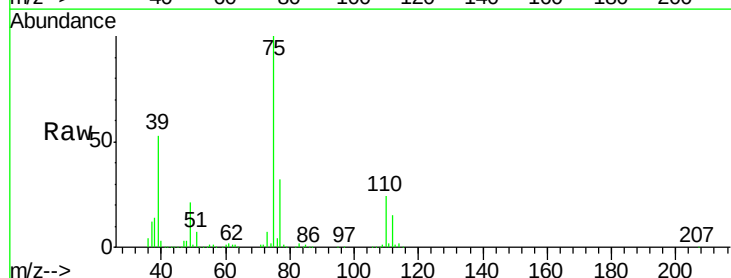
Acq: 25 Apr 2019 19:40

Tgt Ion: 75 Resp: 1008259

Ion Ratio Lower Upper

75 100

77 31.6 23.9 35.9



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

10.38

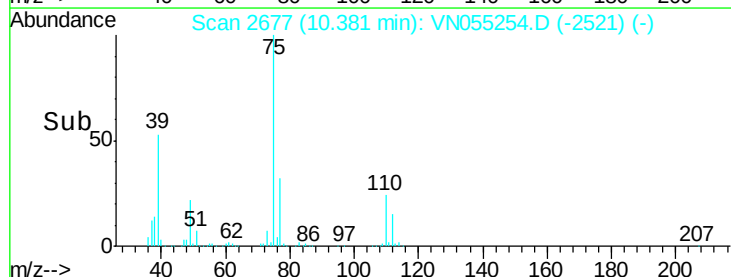
600000

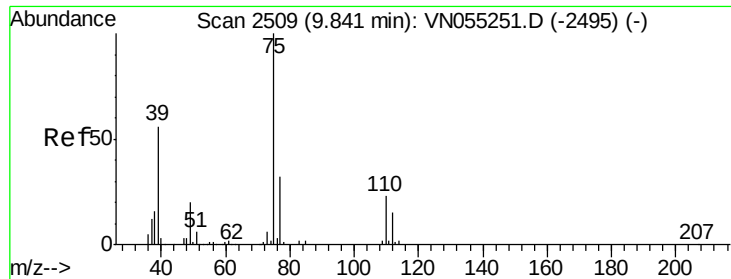
400000

200000

0

Time-->





#49

cis-1,3-Dichloropropene

Concen: 162.258 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 1127622

Ion Ratio Lower Upper

75 100

77 31.1 25.9 38.9

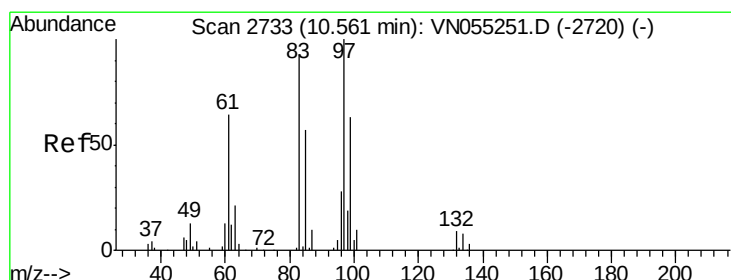
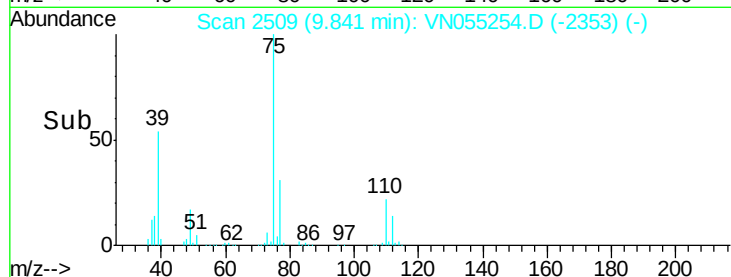
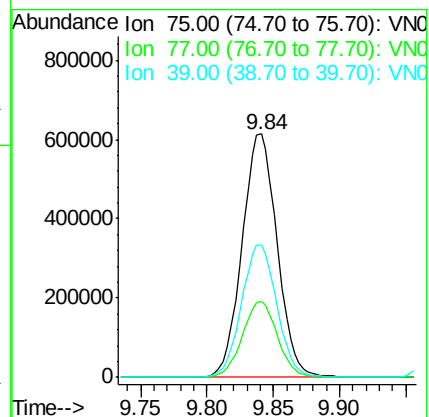
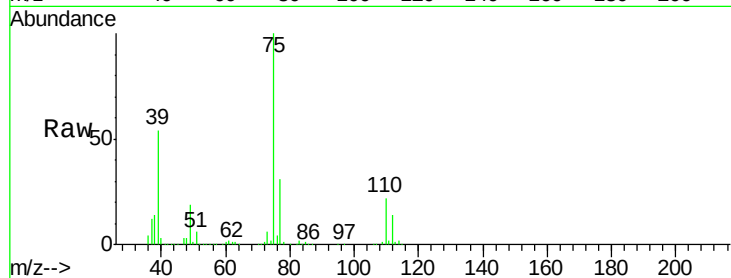
39 54.3 45.0 67.6

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#50

1,1,2-Trichloroethane

Concen: 150.960 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Tgt Ion: 97 Resp: 611453

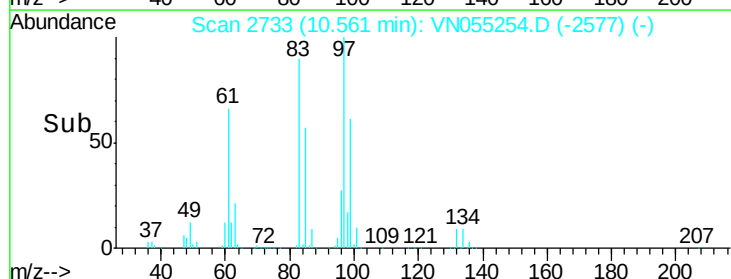
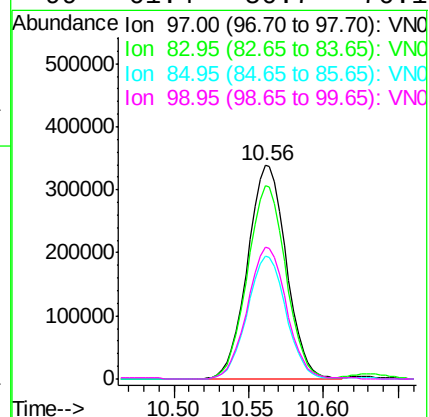
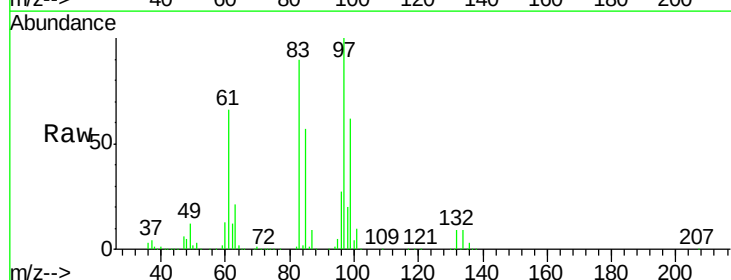
Ion Ratio Lower Upper

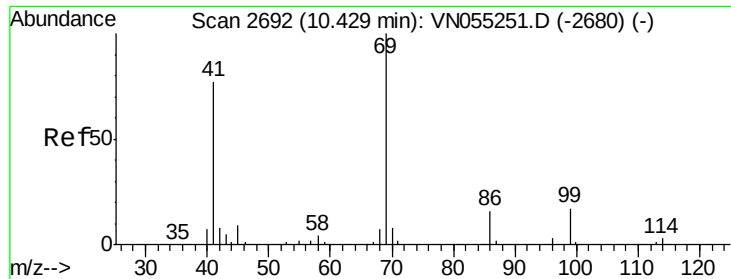
97 100

83 90.3 74.6 111.8

85 57.4 45.4 68.2

99 61.4 50.7 76.1





#51

Ethyl methacrylate

Concen: 180.984 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Instrument :

MSVOA_N

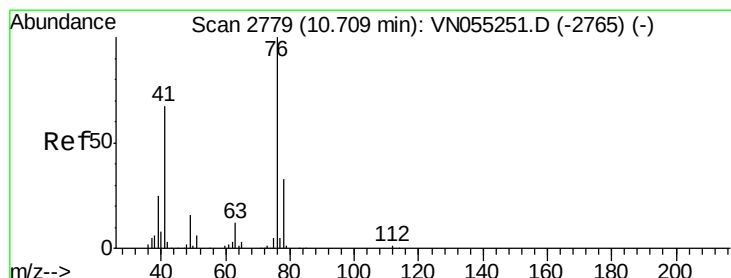
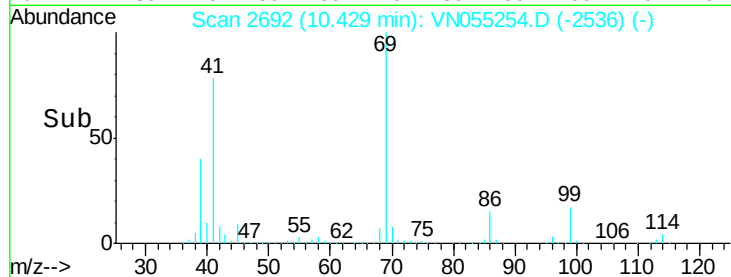
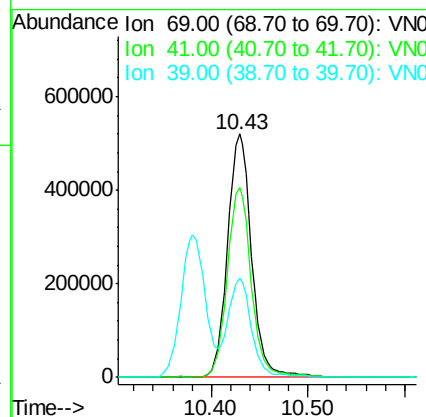
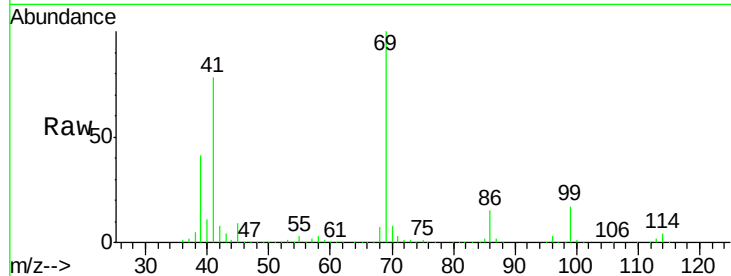
ClientSampleId :

VSTDIC150

Tot Ion:	69	Resp:	898407
Ion Ratio	Lower	Upper	
69	100		
41	77.9	38.7	116.1
39	40.3	19.9	59.6

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#52

1,3-Dichloropropane

Concen: 154.802 ug/l

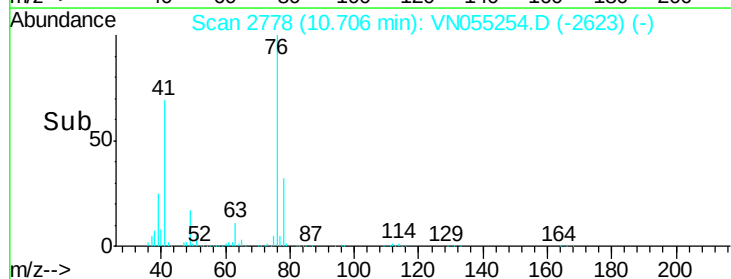
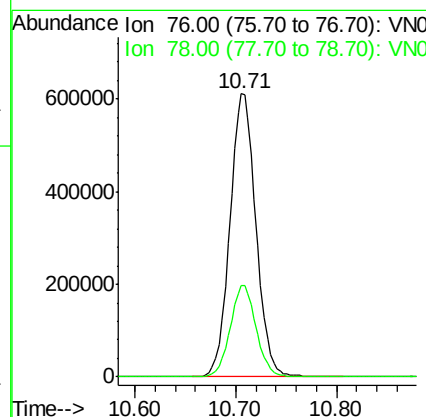
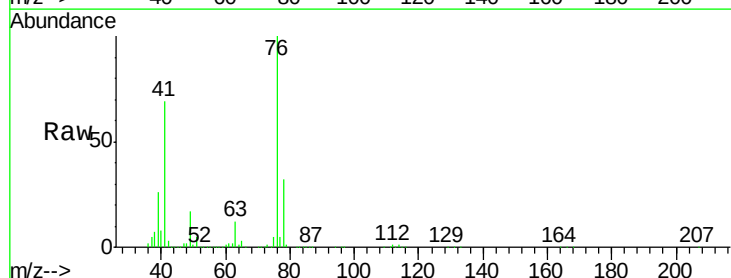
RT: 10.71 min Scan# 2778

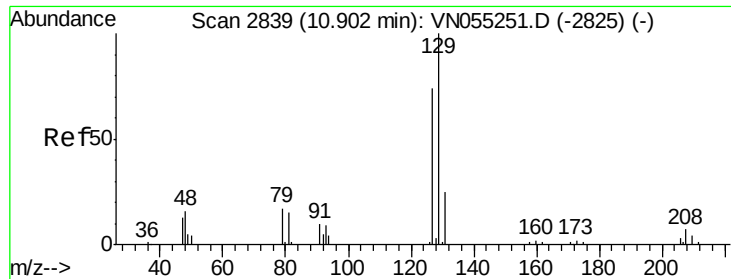
Delta R.T. -0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Tgt Ion:	76	Resp:	1096045
Ion Ratio	Lower	Upper	
76	100		
78	32.2	0.0	63.0





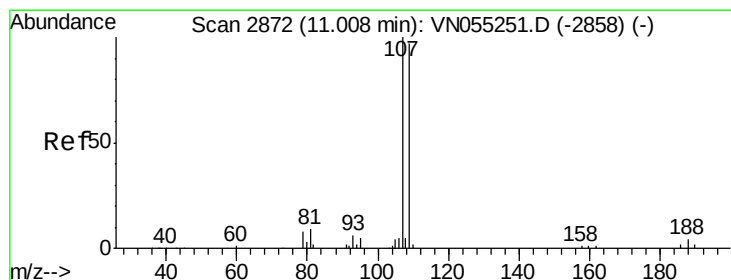
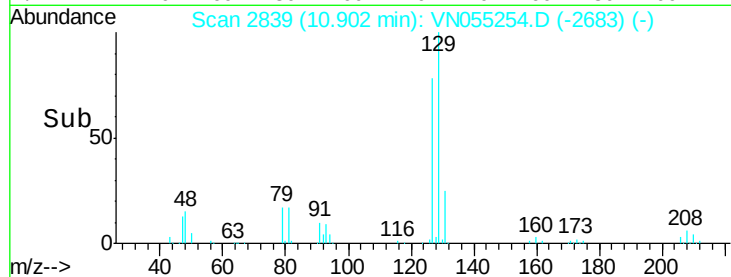
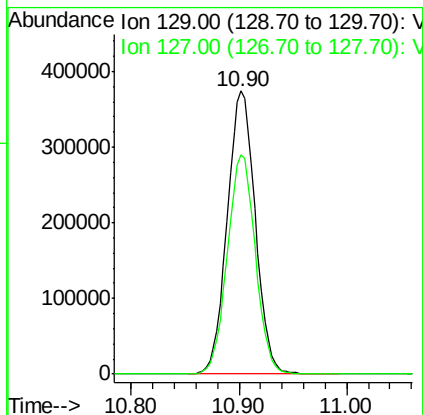
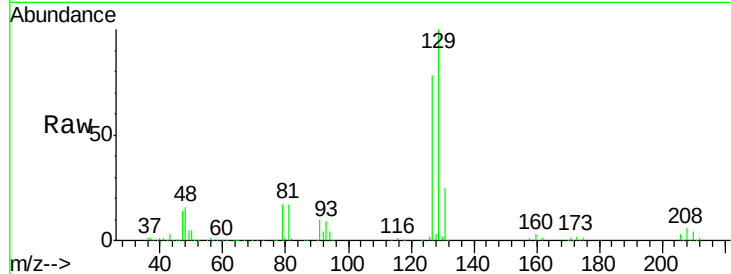
#53
Dibromochloromethane
Concen: 162.812 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:129 Resp: 679208
Ion Ratio Lower Upper
129 100
127 77.4 38.8 116.3

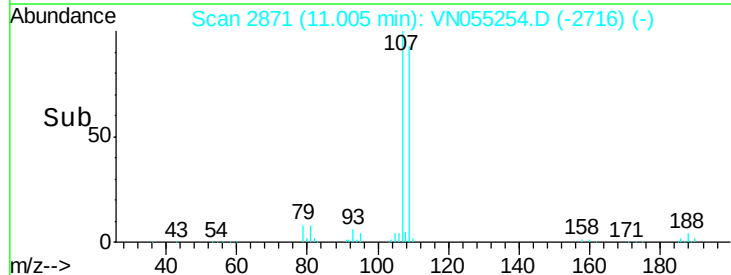
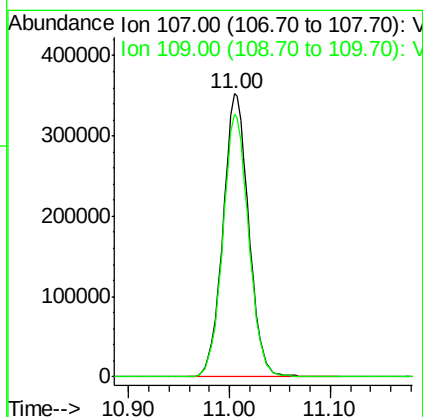
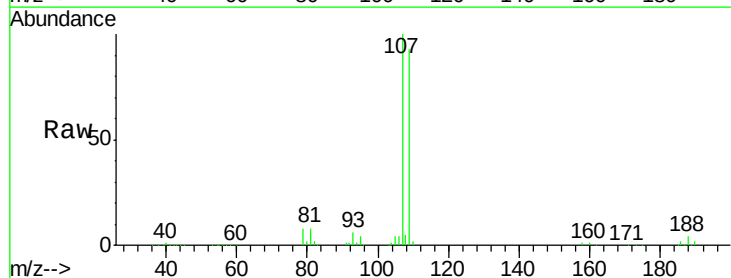
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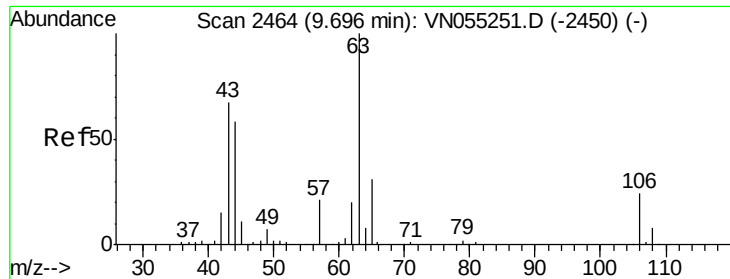
MMdadoda
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#54
1,2-Dibromoethane
Concen: 163.517 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

Tgt Ion:107 Resp: 626664
Ion Ratio Lower Upper
107 100
109 93.2 75.2 112.8





#55

2-Chloroethyl vinyl ether

Concen: 783.882 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 1501371

Ion Ratio Lower Upper

63 100

65 31.5 25.1 37.7

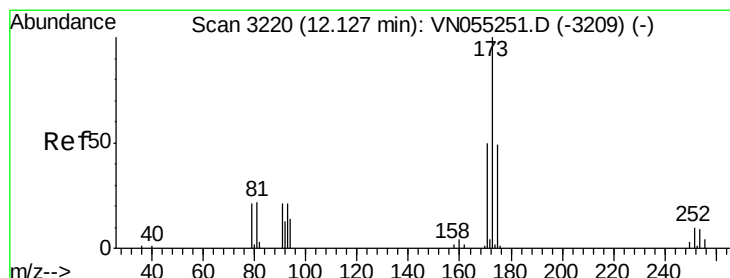
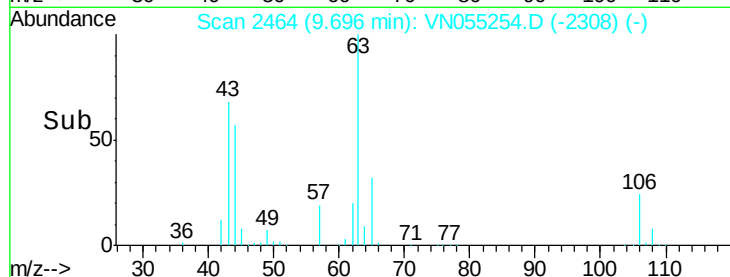
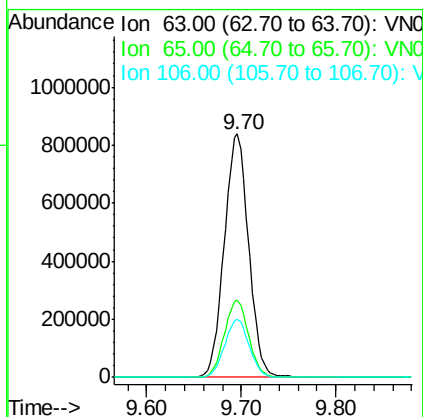
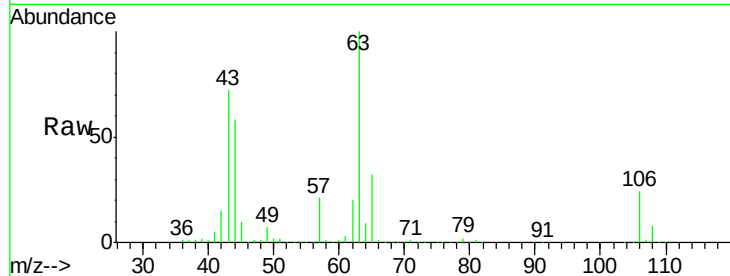
106 24.1 19.4 29.0

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#56

Bromoform

Concen: 176.801 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

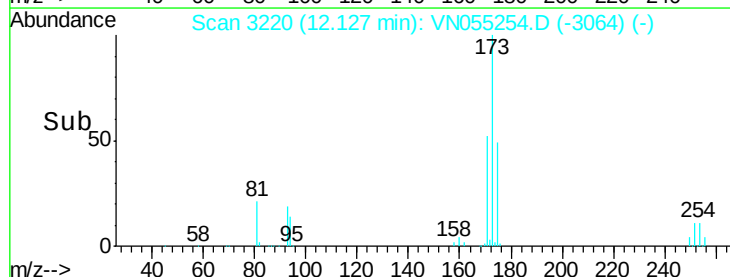
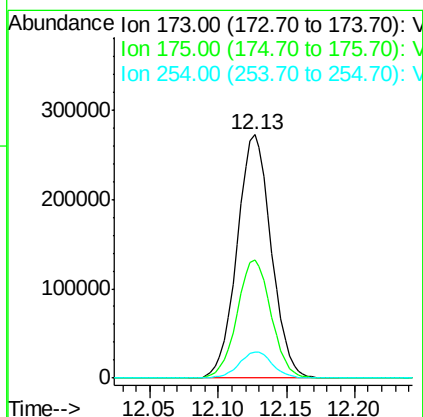
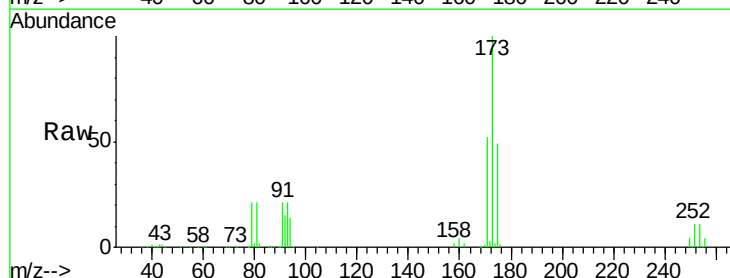
Tgt Ion: 173 Resp: 472201

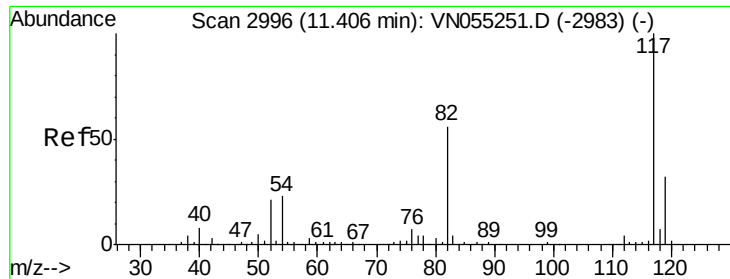
Ion Ratio Lower Upper

173 100

175 48.5 37.7 56.5

254 10.6 7.8 11.6





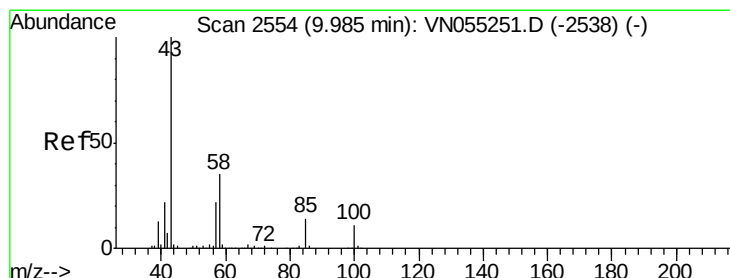
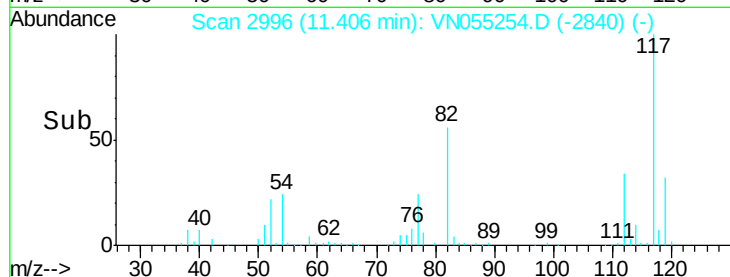
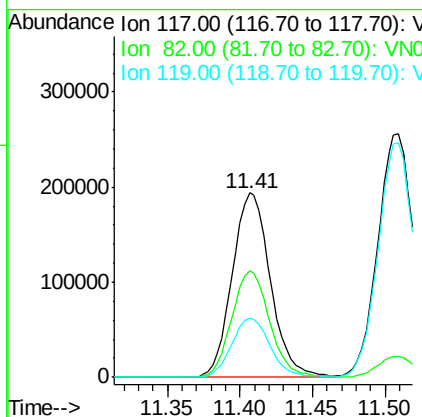
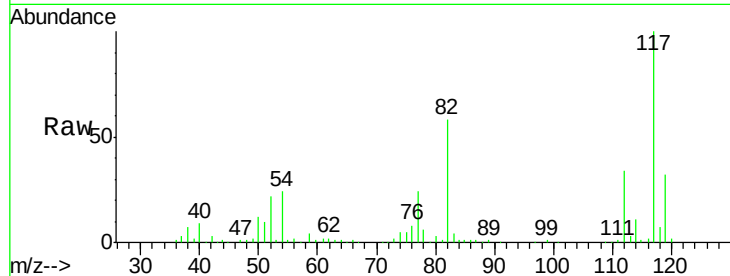
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	45.3	67.9
119	32.2	25.4	38.0

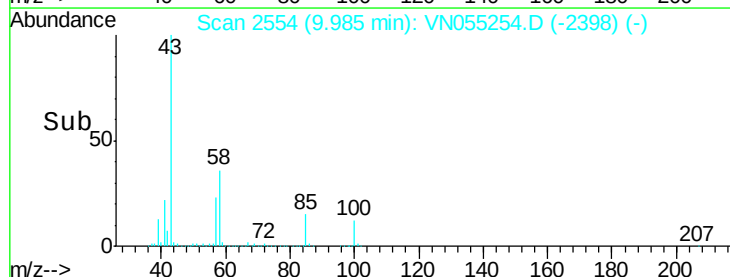
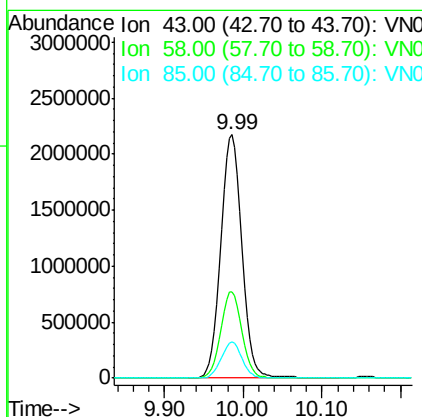
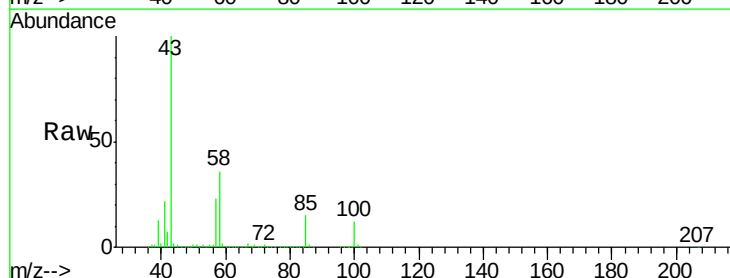
Manual Integrations
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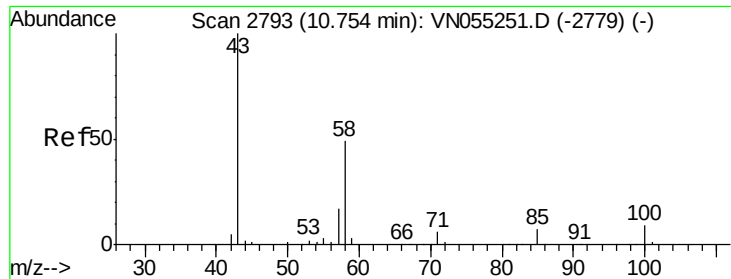
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 901.649 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.5	28.6	43.0
85	14.6	11.4	17.2





#59

2-Hexanone

Concen: 923.162 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2600256

Ion Ratio Lower Upper

43 100

58 49.4 39.0 58.6

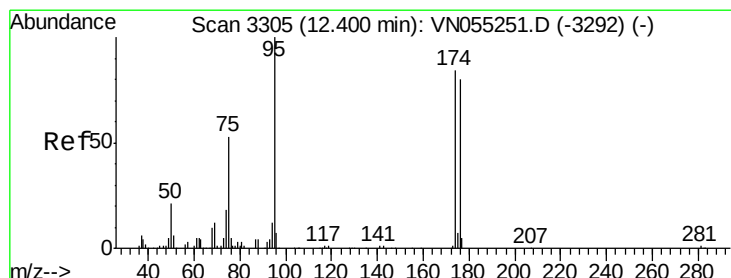
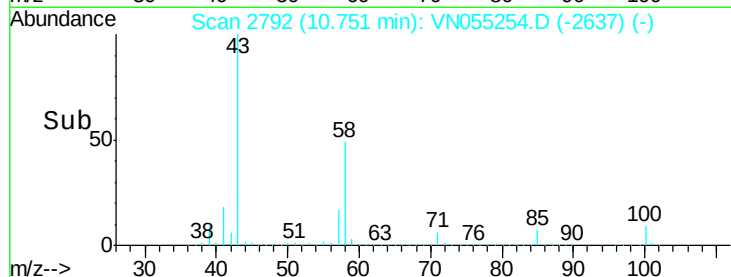
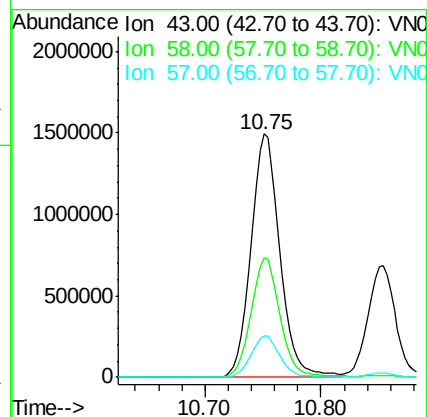
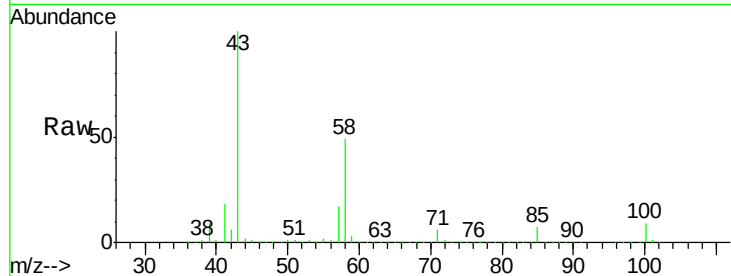
57 17.2 13.4 20.2

Manual Integrations

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#60

4-Bromofluorobenzene

Concen: 31.520 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

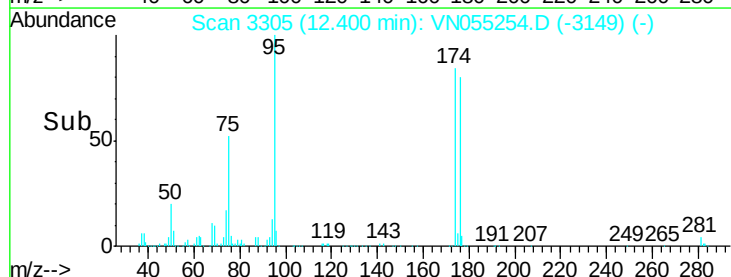
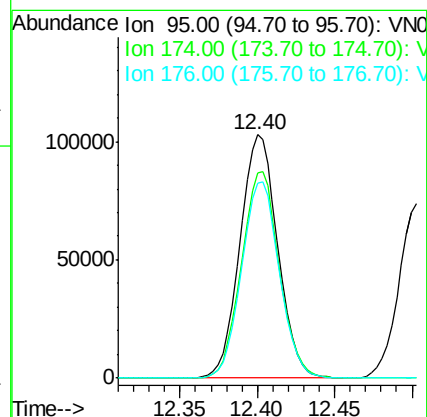
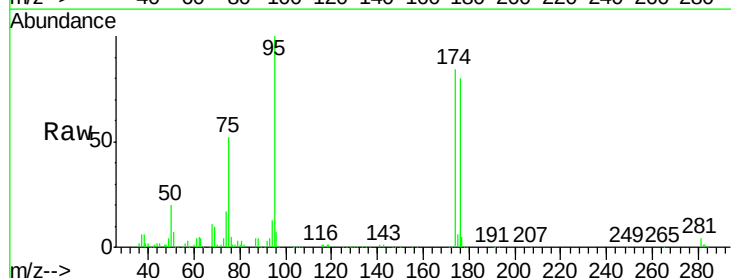
Tgt Ion: 95 Resp: 174197

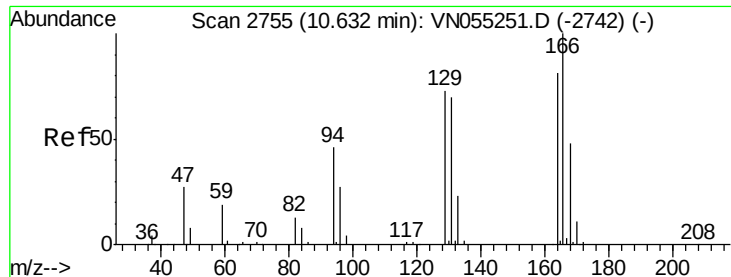
Ion Ratio Lower Upper

95 100

174 85.3 68.1 102.1

176 80.9 65.8 98.6





#61

Tetrachloroethene

Concen: 132.883 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Instrument :

MSVOA_N

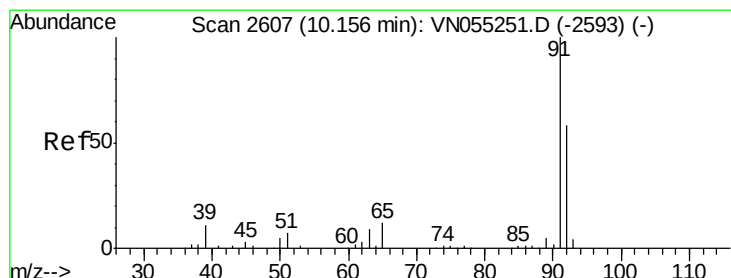
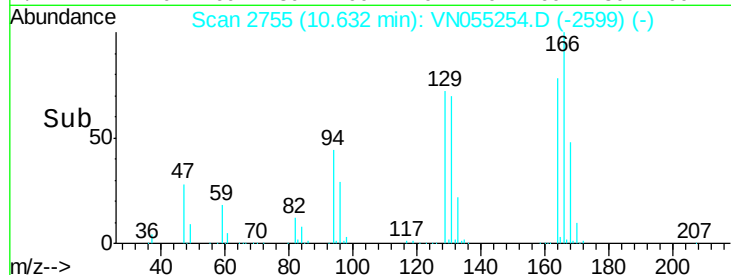
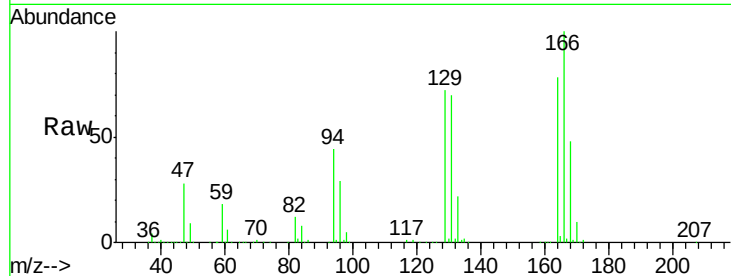
ClientSampleId :

VSTDIC150

Tot Ion:	164	Resp:	621157
Ion	Ratio	Lower	Upper
164	100		
166	128.2	98.6	147.8
129	92.3	72.4	108.6
131	90.3	69.2	103.8

Manual Integrations
APPROVED

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#62

Toluene

Concen: 143.806 ug/l

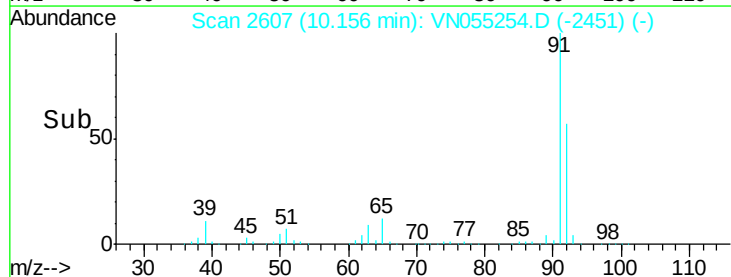
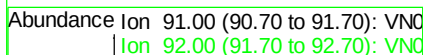
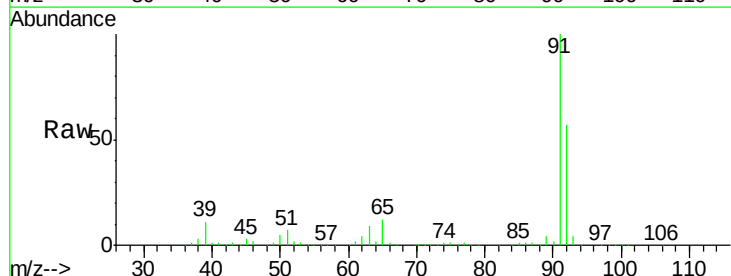
RT: 10.16 min Scan# 2607

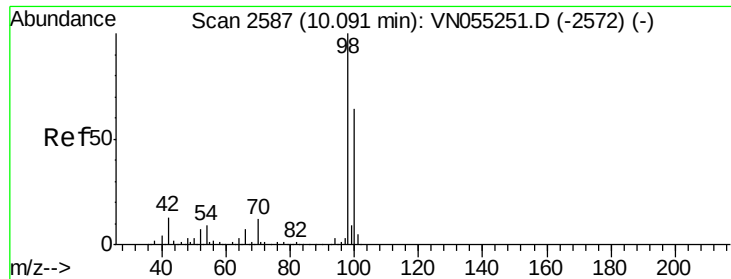
Delta R.T. 0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Tgt Ion:	91	Resp:	2852183
Ion	Ratio	Lower	Upper
91	100		
92	57.0	44.3	66.5





#63

Toluene-d8

Concen: 29.206 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 98 Resp: 494168

Ion Ratio Lower Upper

98 100

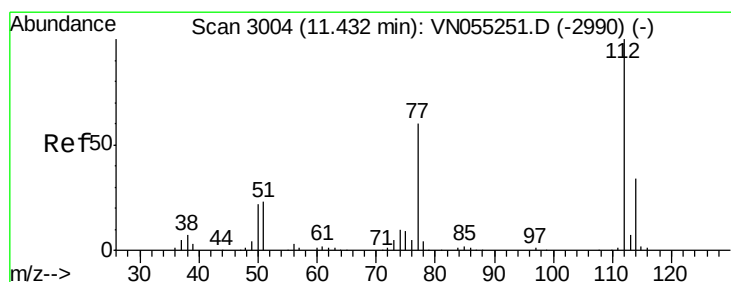
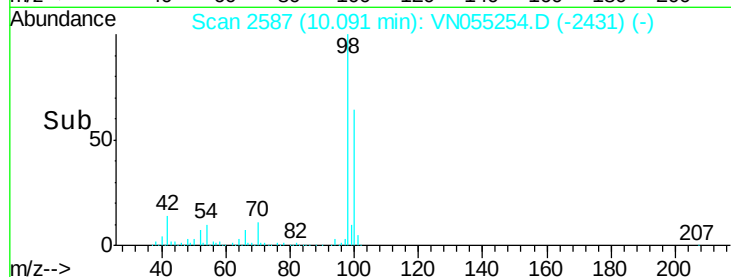
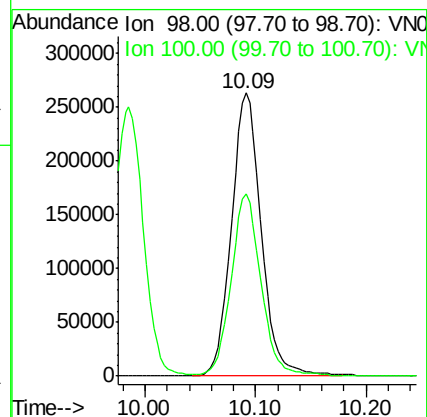
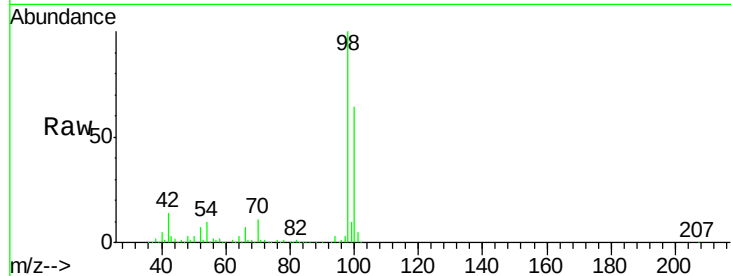
100 65.0 50.0 75.0

Manual Integrations

APPROVED

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4/26/2019 10:53:01 AM



#64

Chlorobenzene

Concen: 147.344 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055254.D

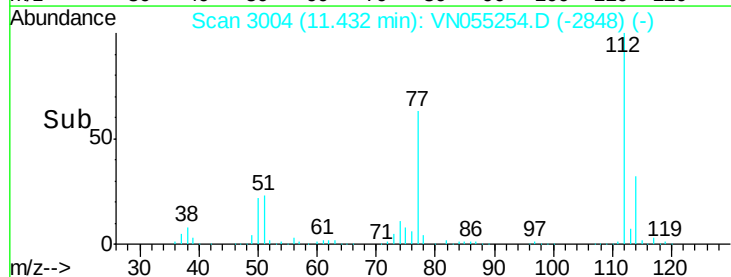
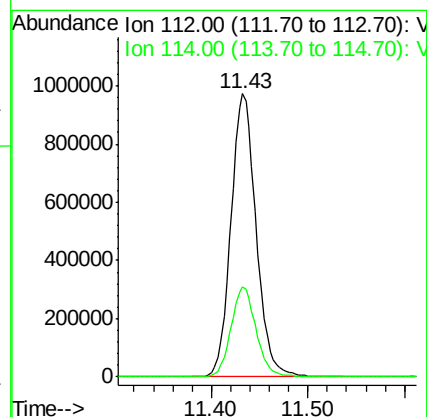
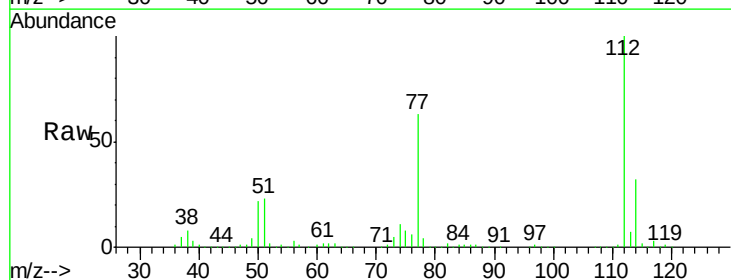
Acq: 25 Apr 2019 19:40

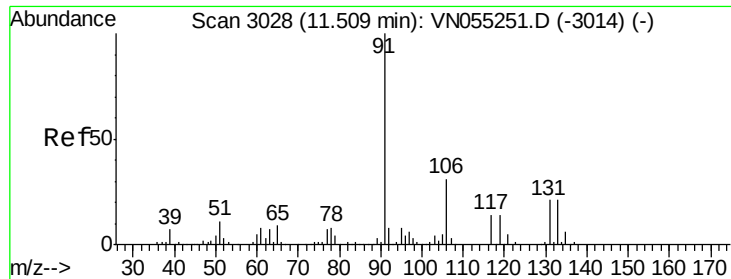
Tgt Ion: 112 Resp: 1754056

Ion Ratio Lower Upper

112 100

114 31.7 26.9 40.3





#65

1,1,1,2-Tetrachloroethane

Concen: 152.627 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Instrument :

MSVOA_N

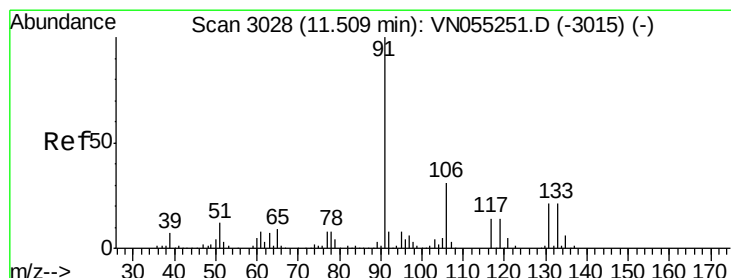
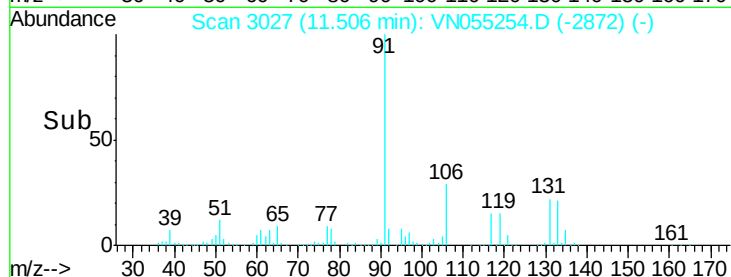
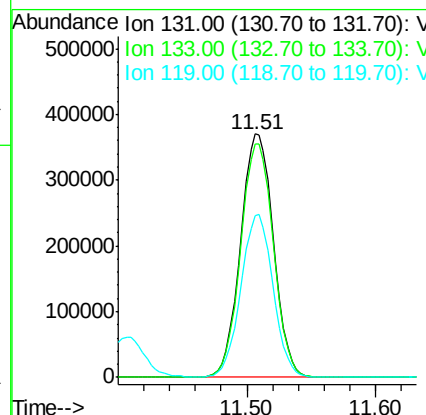
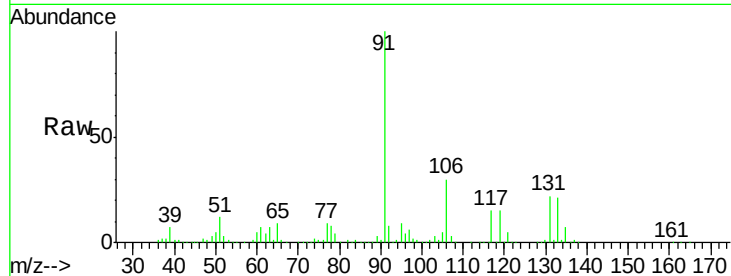
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
131	100	655312		
133	95.8	0.0	195.6	
119	65.5	0.0	135.0	

Manual Integrations
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#66

Ethyl Benzene

Concen: 147.824 ug/l

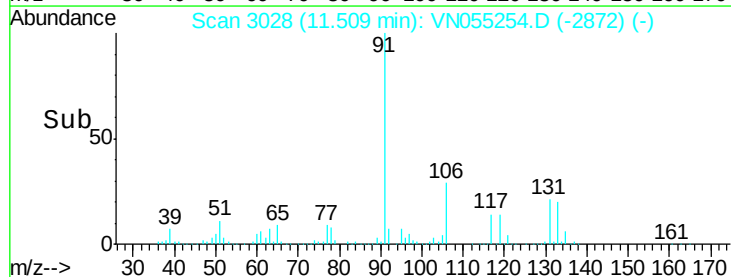
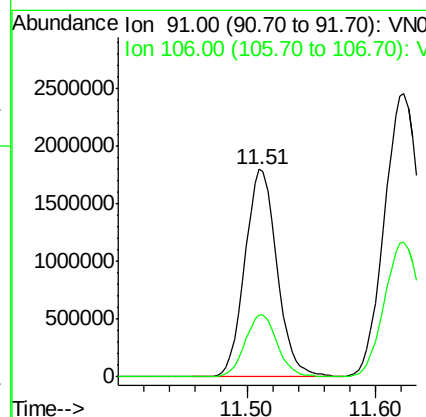
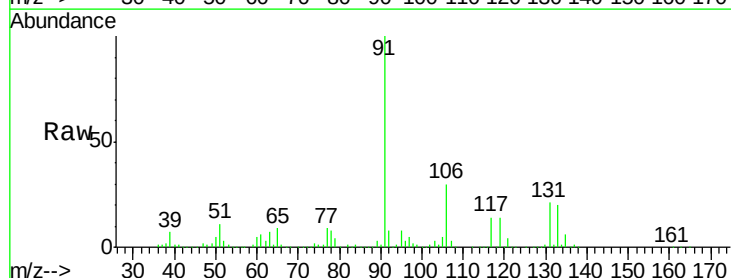
RT: 11.51 min Scan# 3028

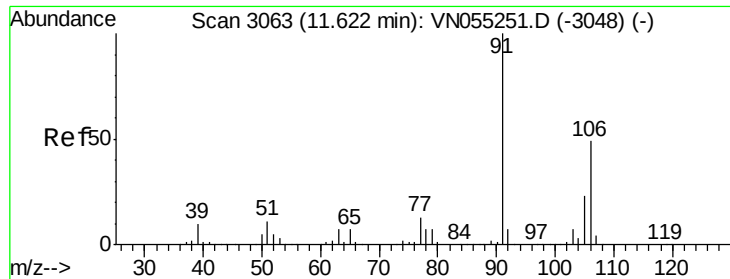
Delta R.T. 0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	3132759		
106	30.1	24.5	36.7	





#67

m/p-Xylenes

Concen: 293.426 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:106 Resp: 2306875

Ion Ratio Lower Upper

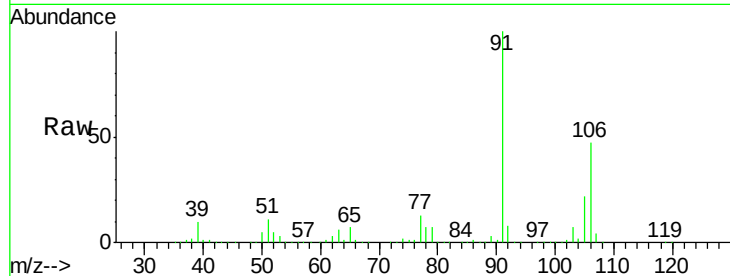
106 100

91 209.6 165.4 248.2

Manual Integrations
APPROVED

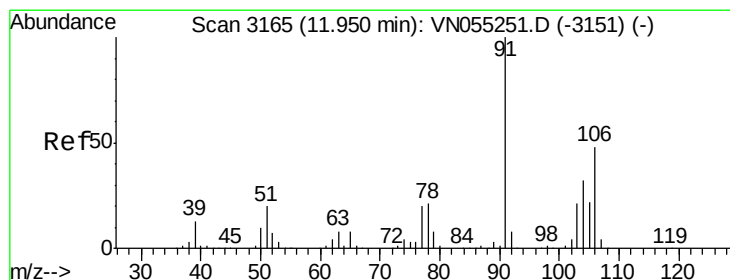
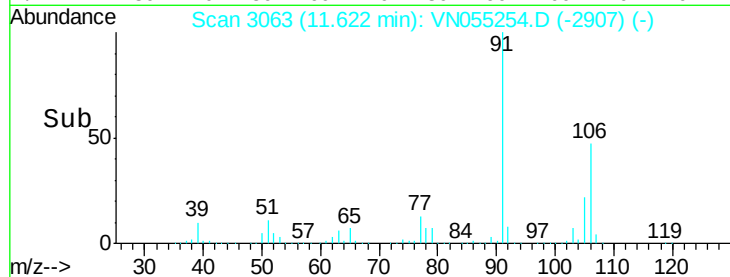
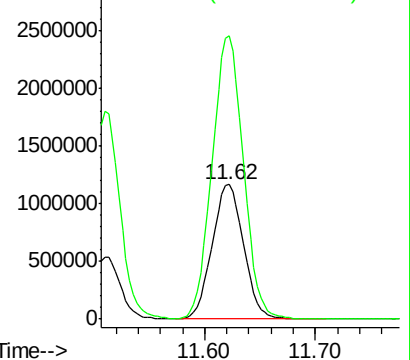
MMdadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 145.844 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN055254.D

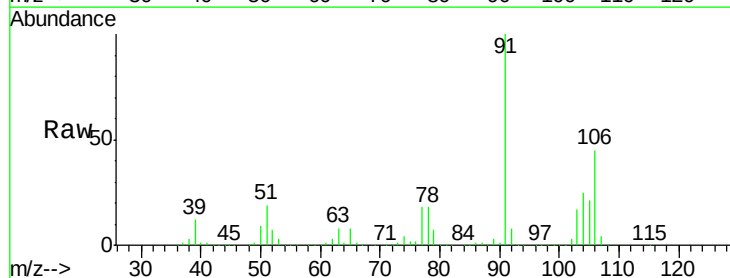
Acq: 25 Apr 2019 19:40

Tgt Ion:106 Resp: 1141510

Ion Ratio Lower Upper

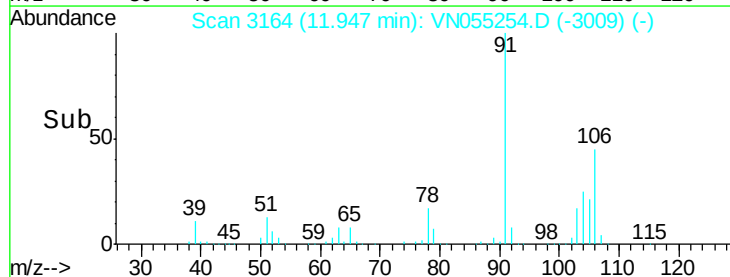
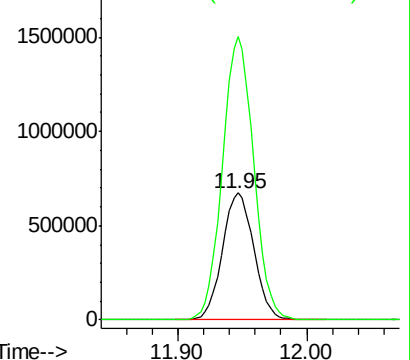
106 100

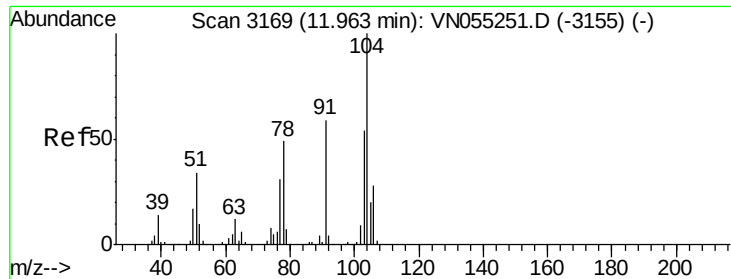
91 221.1 106.8 320.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





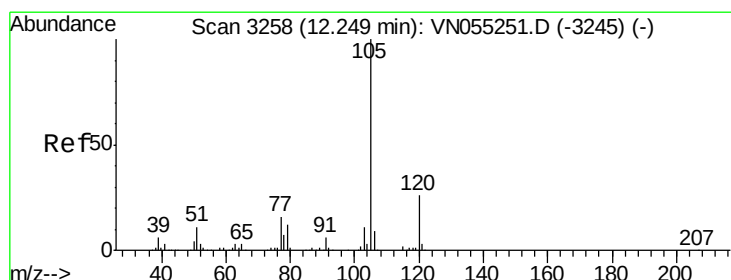
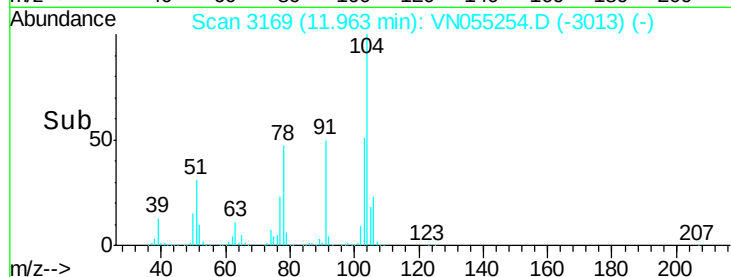
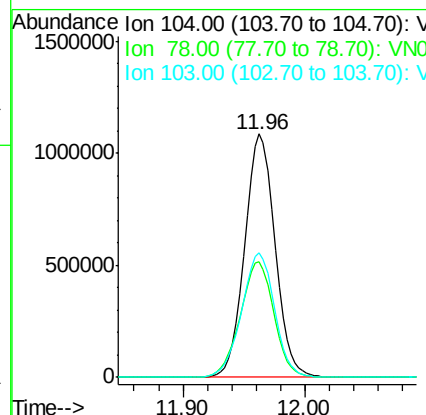
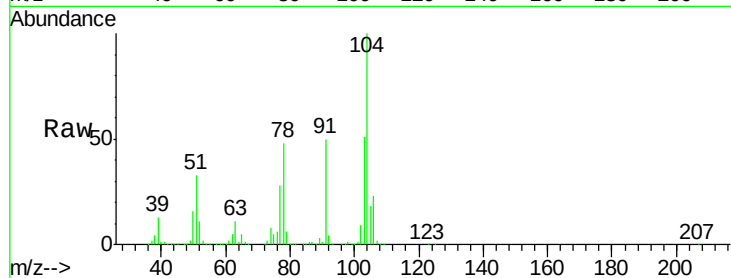
#69
Stvrene
Concen: 153.942 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.9	42.4	63.6
103	55.7	45.3	67.9

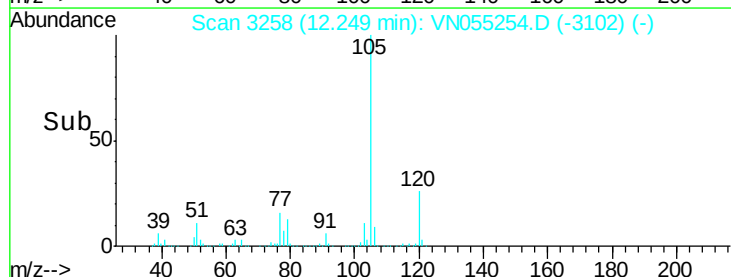
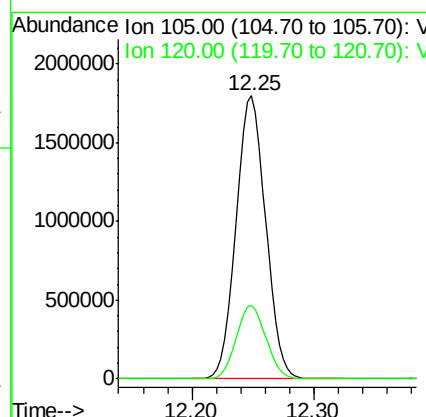
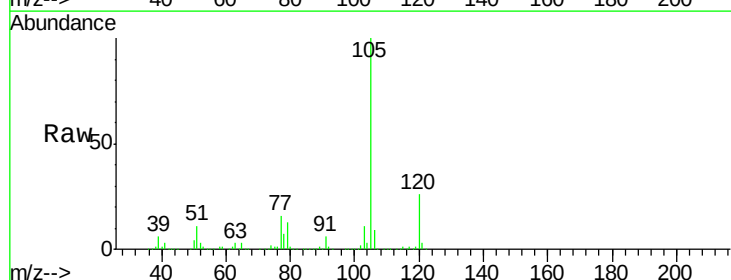
Manual Integrations
APPROVED

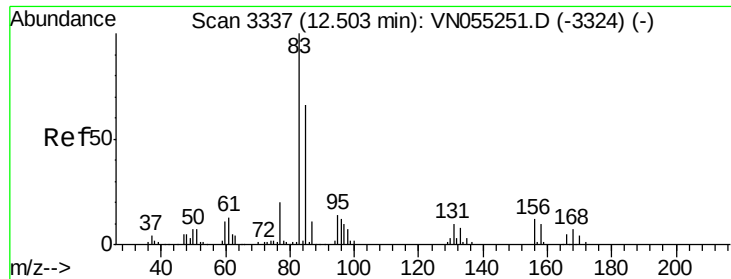
MMDadoda
4/26/2019 10:53:01 AM



#70
Isopropylbenzene
Concen: 145.628 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.0	18.1	33.7





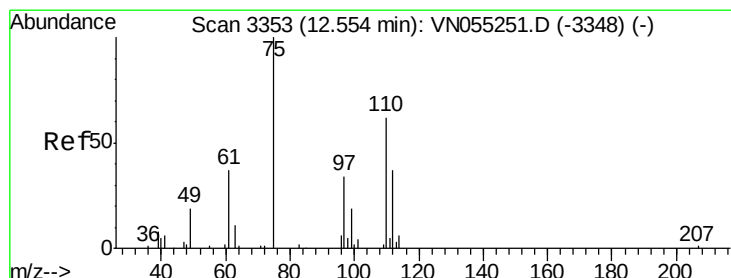
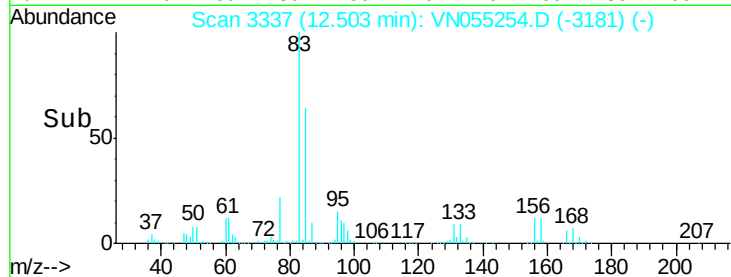
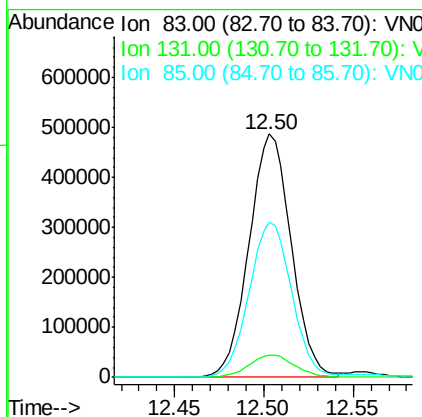
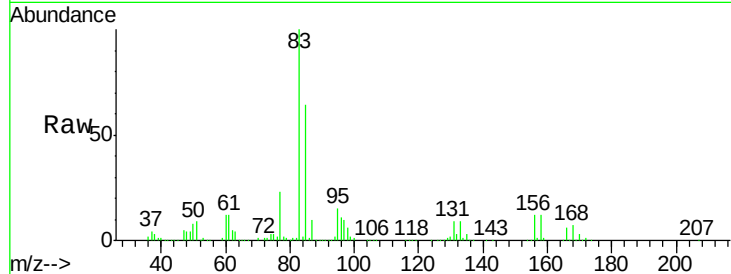
#71
 1,1,2,2-Tetrachloroethane
 Concen: 162.962 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	14.9
85	64.3	32.3	96.8

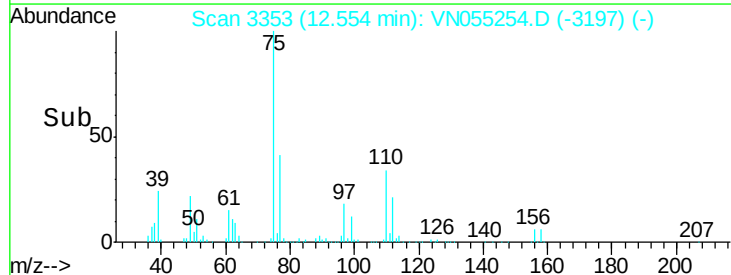
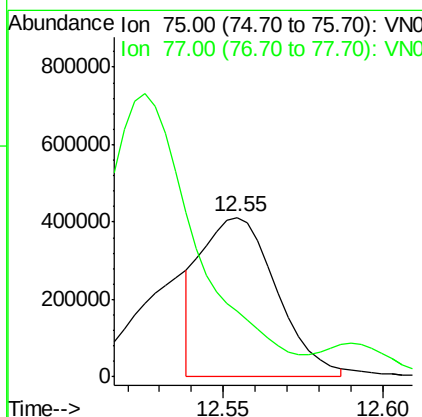
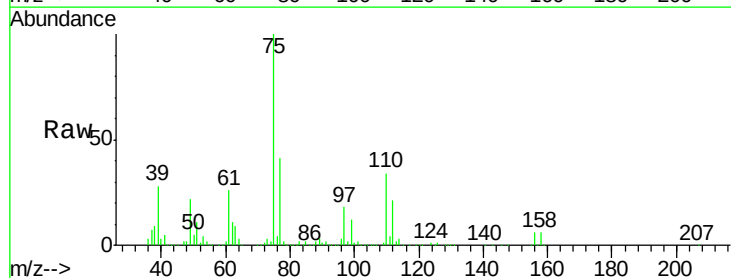
Manual Integrations
 APPROVED

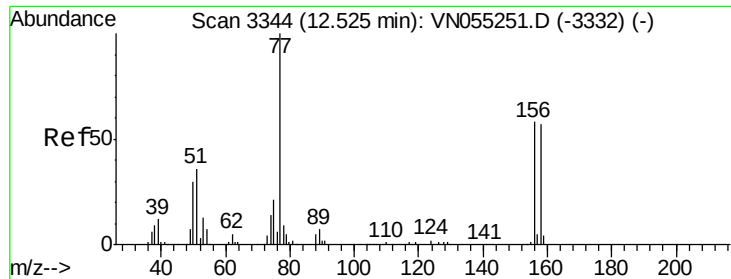
MMDadoda
 4/26/2019 10:53:01 AM



#72
 1,2,3-Trichloropropane
 Concen: 165.806 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

Tgt Ion	Ratio	Lower	Upper
75	100		
77	220.8	0.0	410.2





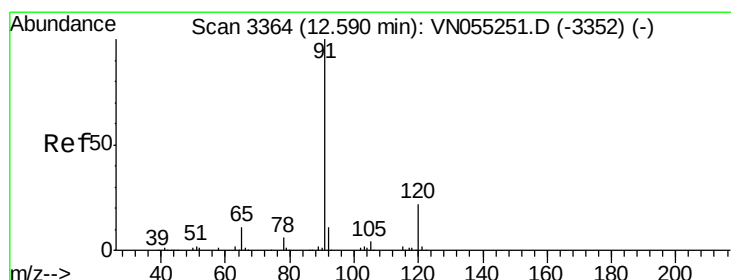
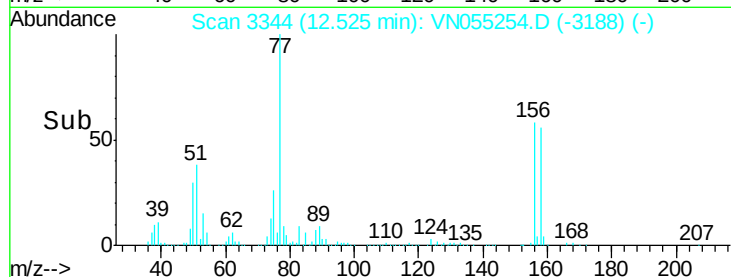
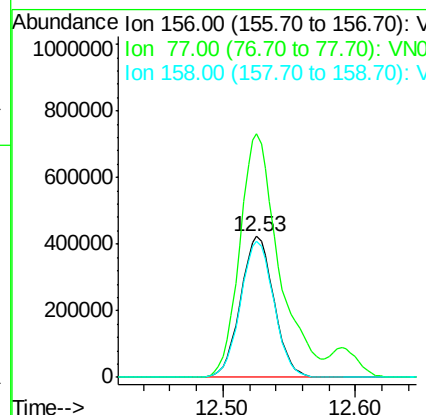
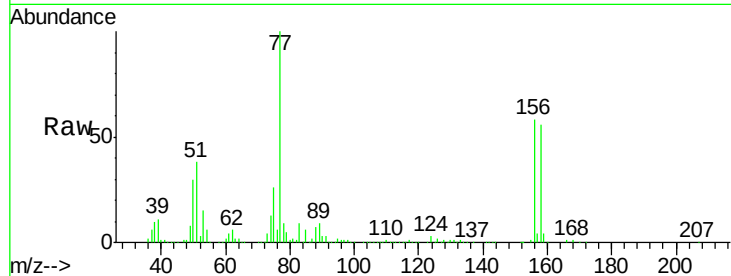
#73
Bromobenzene
Concen: 150.602 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	202.0	0.0	403.2
158	96.9	0.0	195.8

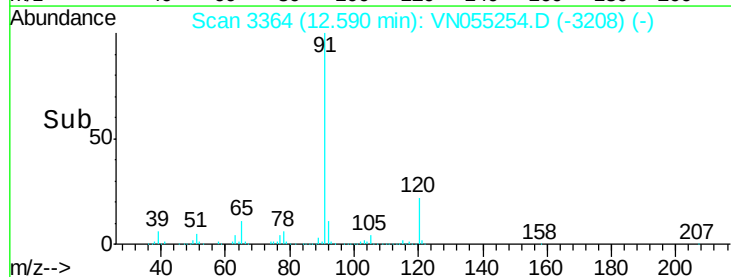
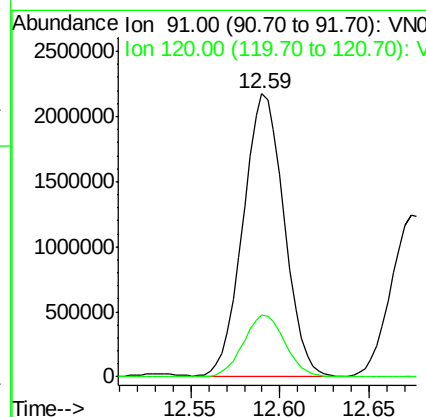
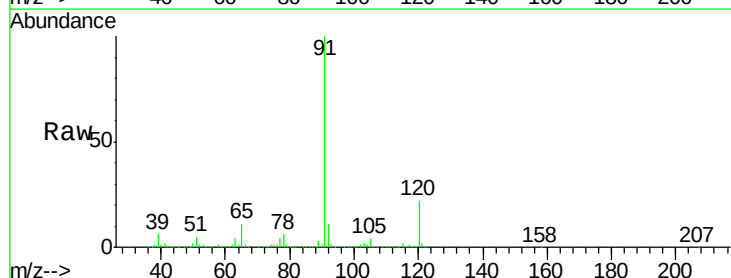
Manual Integrations
APPROVED

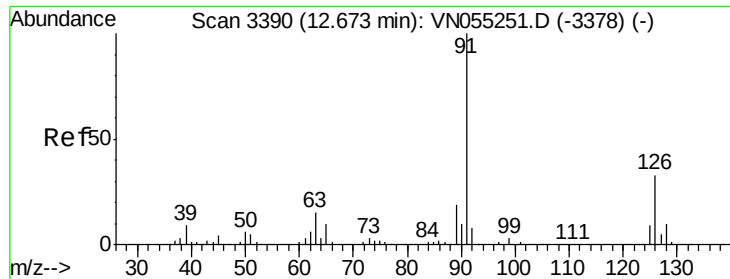
MMdadoda
4/26/2019 10:53:01 AM



#74
n-propylbenzene
Concen: 150.914 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	0.0	43.6





#75

2-Chlorotoluene

Concen: 150.592 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2112857

Ion Ratio Lower Upper

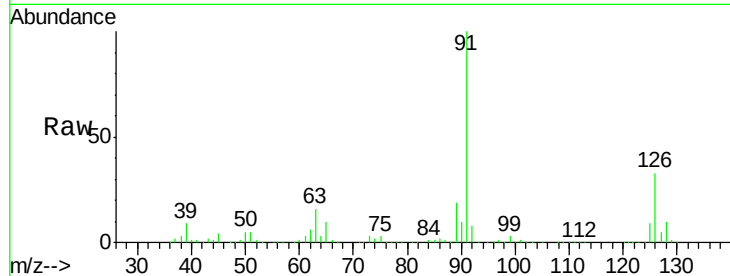
91 100

126 32.8 0.0 65.8

Manual Integrations
APPROVED

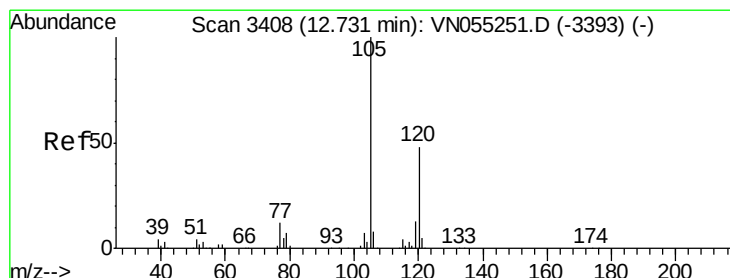
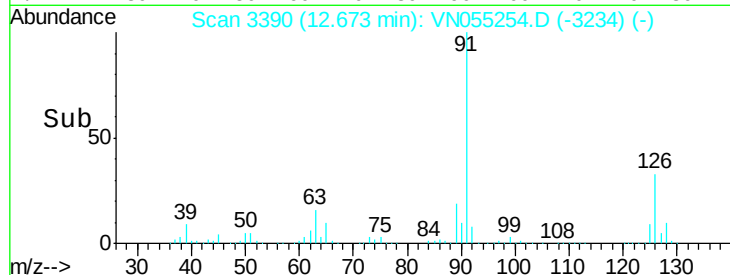
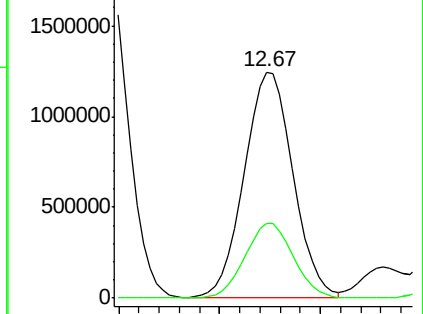
MMdadoda

4/26/2019 10:53:01 AM



Abundance Ion 91.00 (90.70 to 91.70): VN055251.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN055251.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 149.987 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055254.D

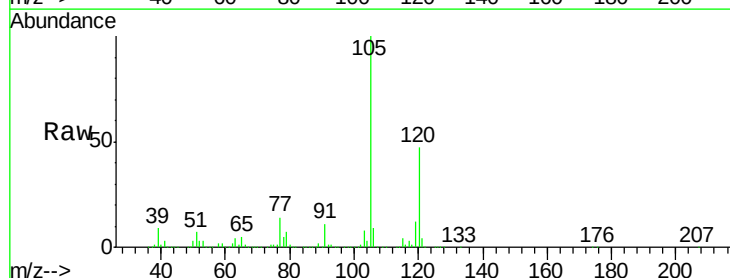
Acq: 25 Apr 2019 19:40

Tgt Ion:105 Resp: 2513046

Ion Ratio Lower Upper

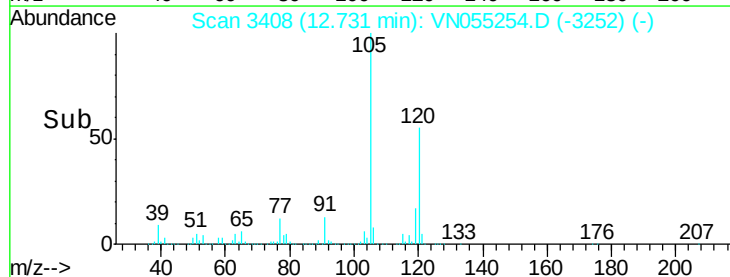
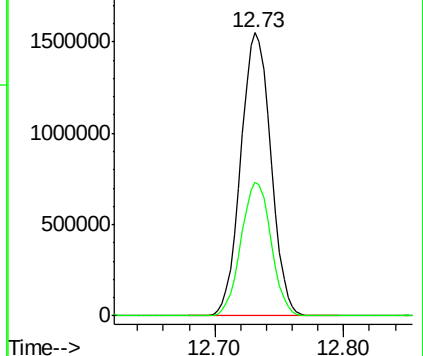
105 100

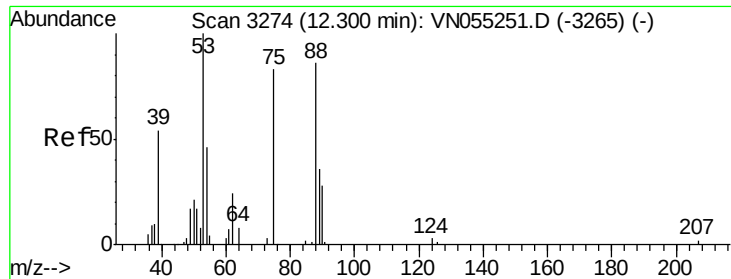
120 47.3 0.0 94.8



Abundance Ion 105.00 (104.70 to 105.70): VN055251.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN055251.D (-3393) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 209.610 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Instrument :

MSVOA_N

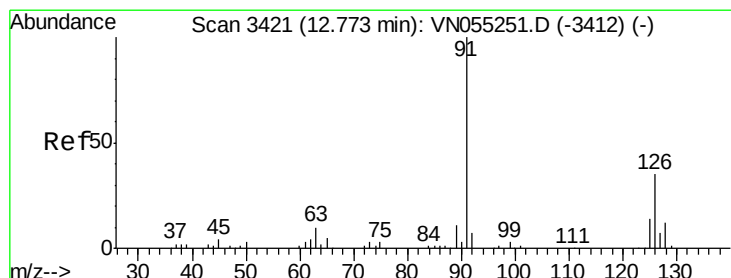
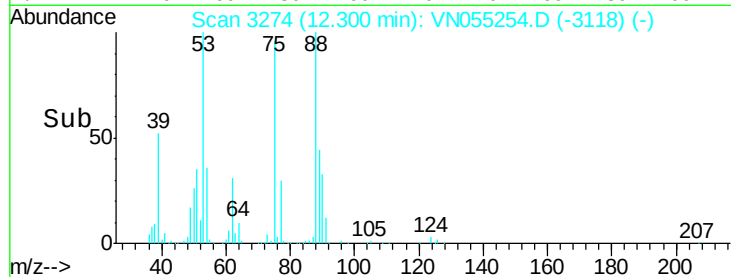
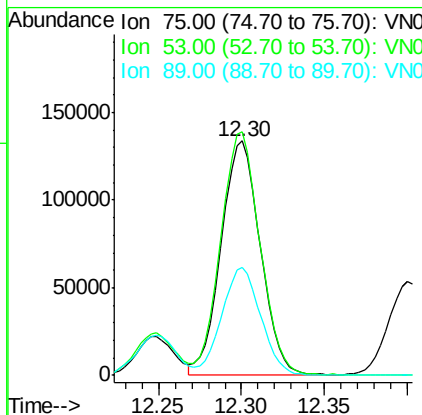
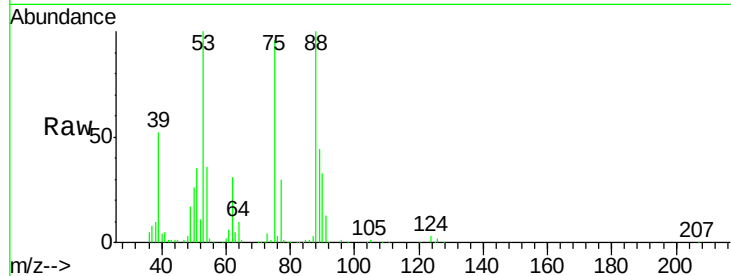
ClientSampled :

VSTDIC150

Tot Ion:	75	Resp:	220657
Ion Ratio	Lower	Upper	
75	100		
53	104.0	59.5	178.5
89	46.1	23.1	69.2

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#78

4-Chlorotoluene

Concen: 158.327 ug/l

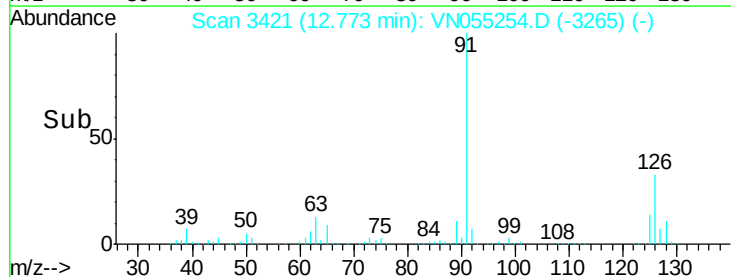
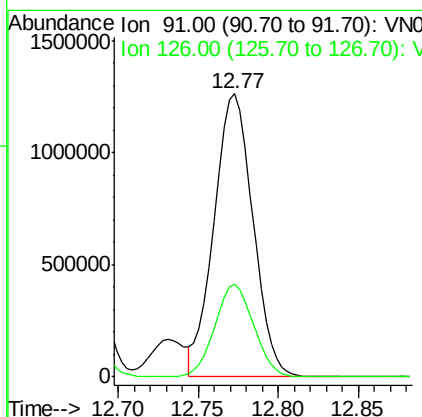
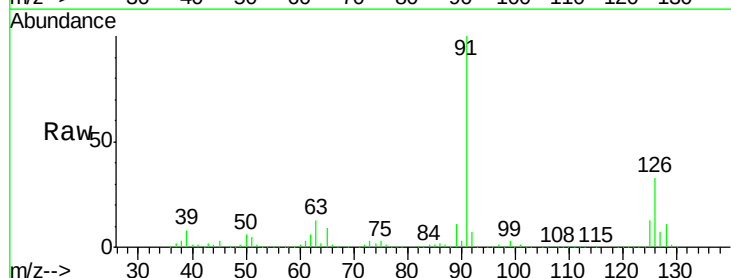
RT: 12.77 min Scan# 3421

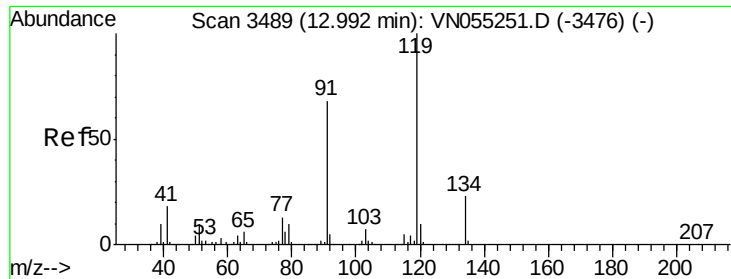
Delta R.T. 0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Tgt Ion:	91	Resp:	2118960
Ion Ratio	Lower	Upper	
91	100		
126	32.6	0.0	66.8





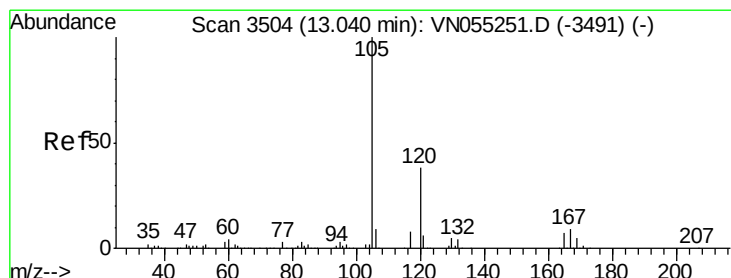
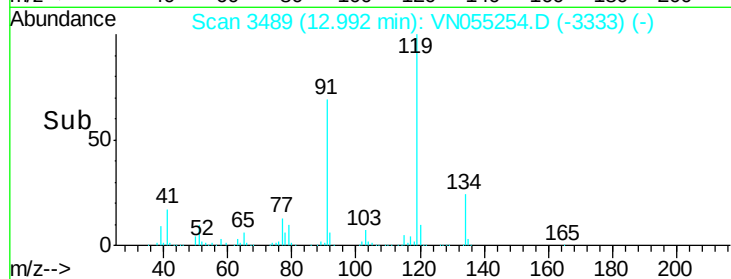
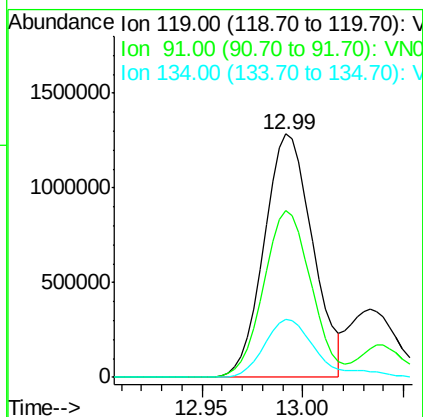
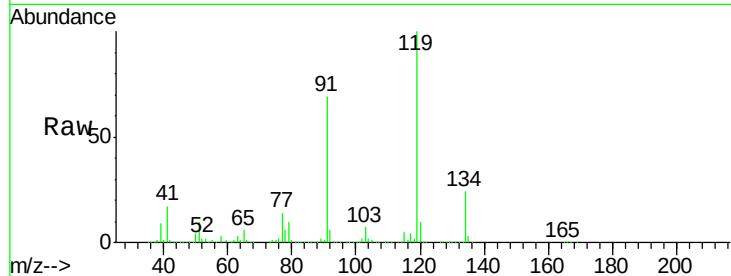
#79
 tert-butylbenzene
 Concen: 147.715 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion:119 Resp: 2146702
 Ion Ratio Lower Upper
 119 100
 91 67.3 0.0 135.6
 134 24.1 0.0 47.8

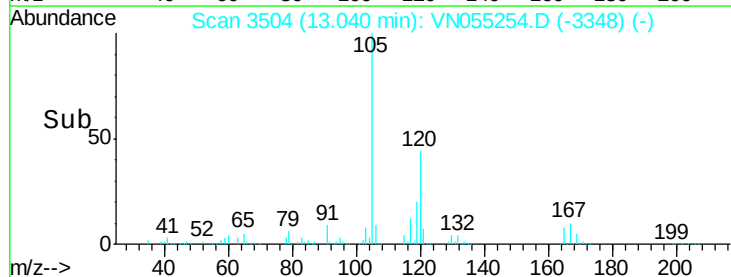
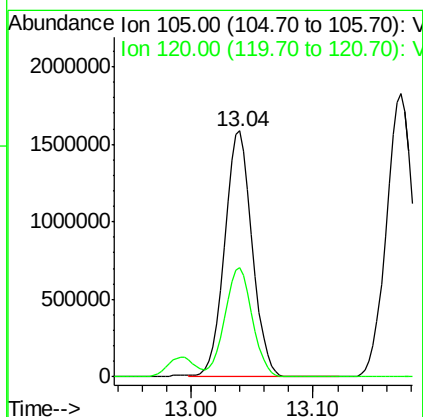
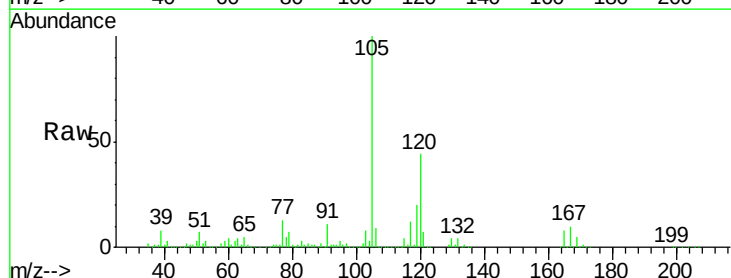
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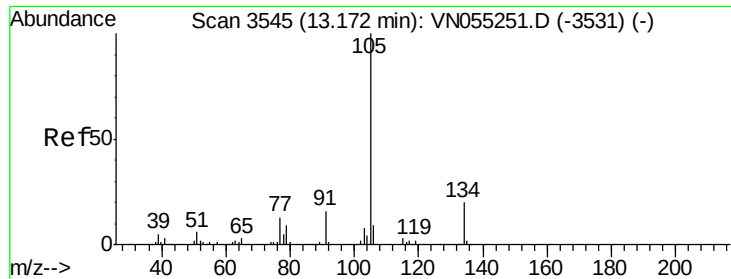
MMdadoda
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#80
 1,2,4-Trimethylbenzene
 Concen: 151.403 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

Tgt Ion:105 Resp: 2502408
 Ion Ratio Lower Upper
 105 100
 120 44.5 0.0 88.6





#81

sec-Butylbenzene

Concen: 148.700 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2873619

Ion Ratio Lower Upper

105 100

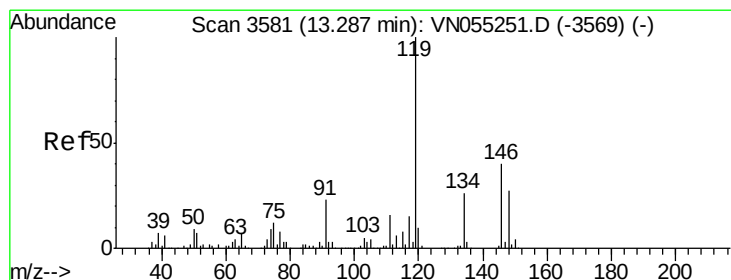
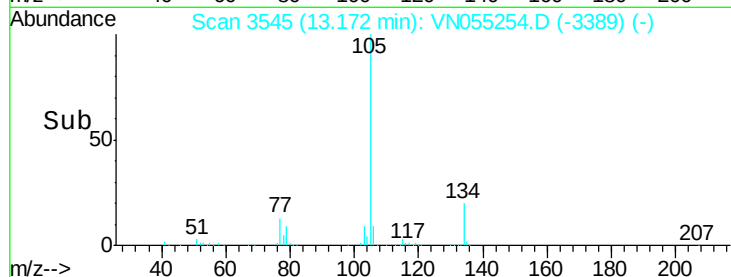
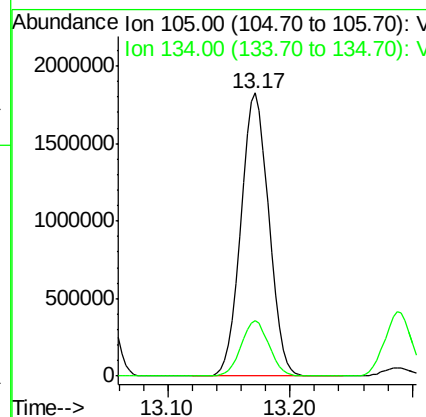
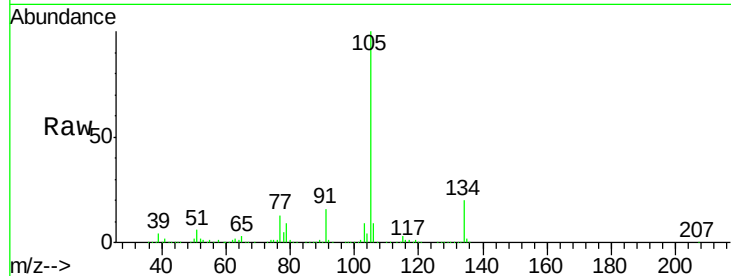
134 19.6 0.0 39.8

Manual Integrations

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#82

p-Isopropyltoluene

Concen: 151.511 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

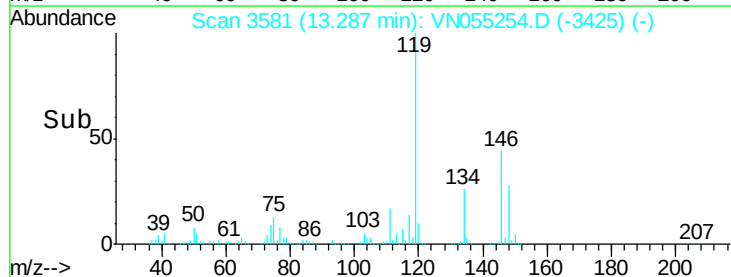
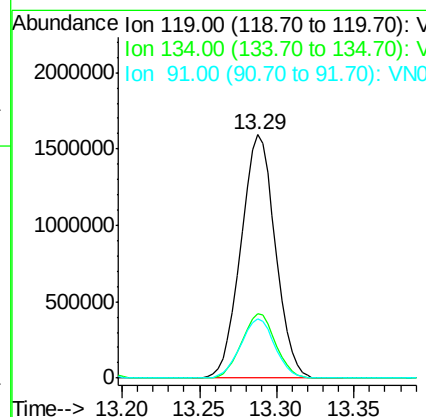
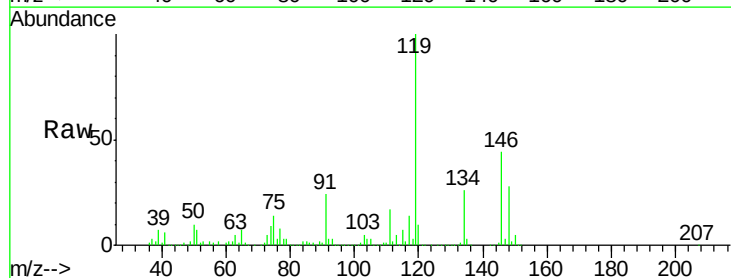
Tgt Ion:119 Resp: 2456773

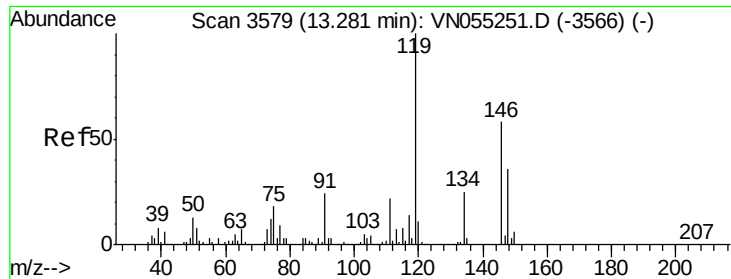
Ion Ratio Lower Upper

119 100

134 26.1 0.0 53.2

91 24.3 0.0 47.6





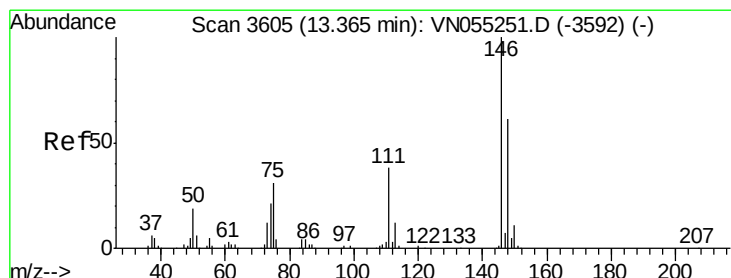
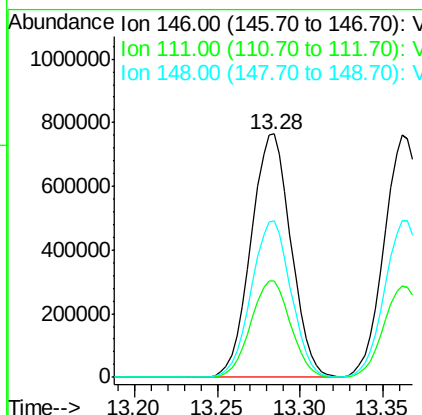
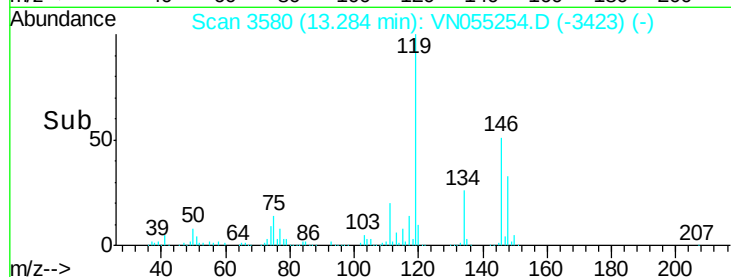
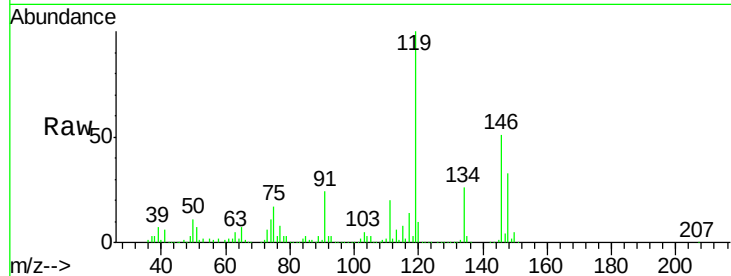
#83
 1,3-Dichlorobenzene
 Concen: 157.518 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.9	59.7
148	63.6	32.8	98.3

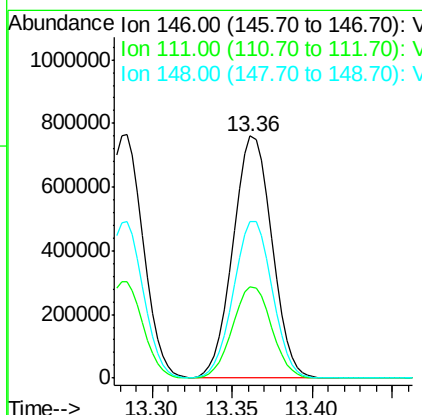
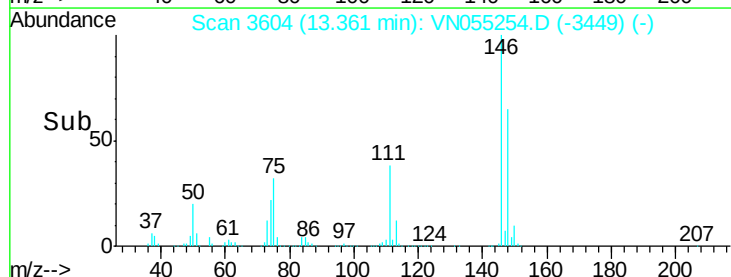
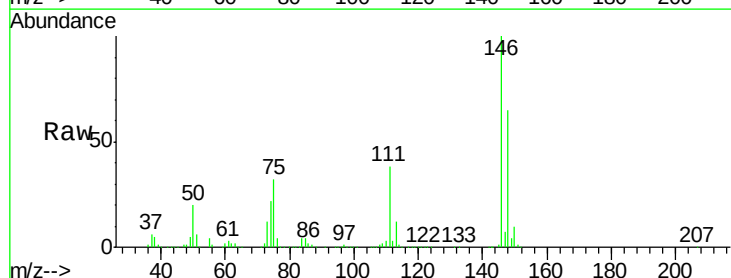
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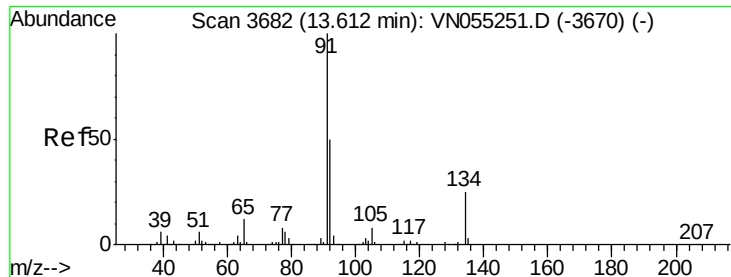
MMdadoda
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#84
 1,4-Dichlorobenzene
 Concen: 163.215 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.9	56.5
148	64.6	31.4	94.3





#85

n-Butylbenzene

Concen: 165.849 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2117782

Ion Ratio Lower Upper

91 100

92 52.1 0.0 102.8

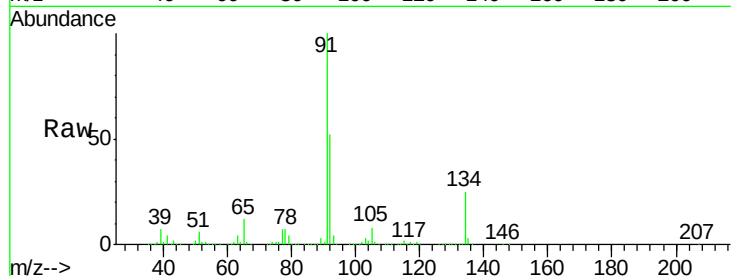
134 25.0 0.0 50.0

Manual Integrations

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MMdadoda

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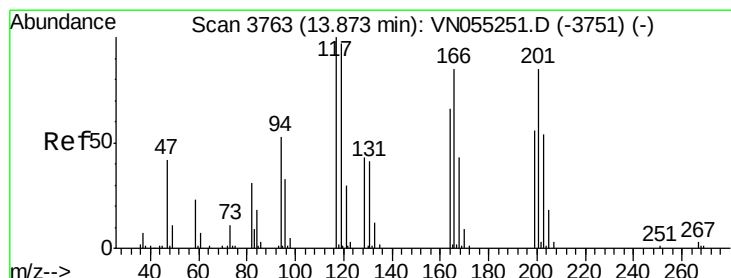
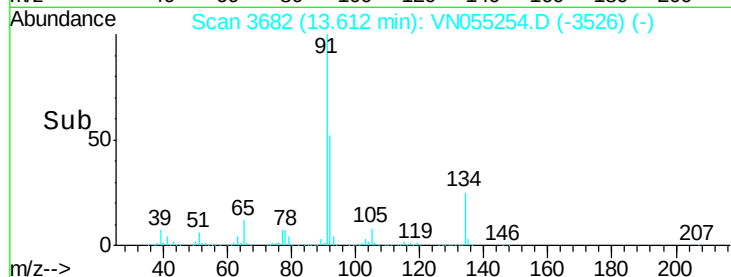


Abundance Ion 91.00 (90.70 to 91.70): VN055251.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN055251.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN055251.D (-3670) (-)

Time-->



#86

Hexachloroethane

Concen: 167.518 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055254.D

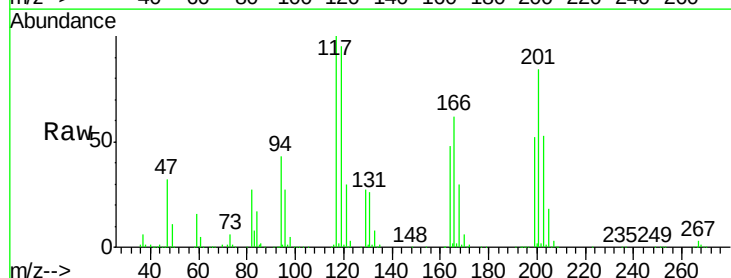
Acq: 25 Apr 2019 19:40

Tgt Ion: 117 Resp: 441644

Ion Ratio Lower Upper

117 100

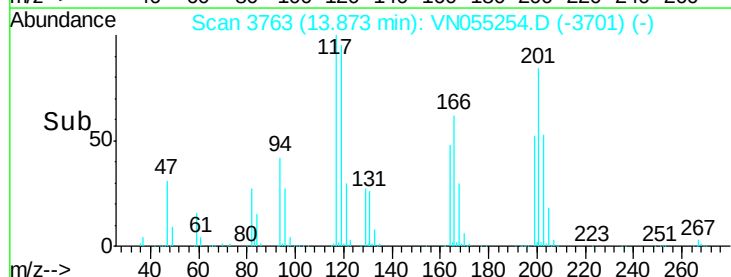
201 86.3 44.5 133.7

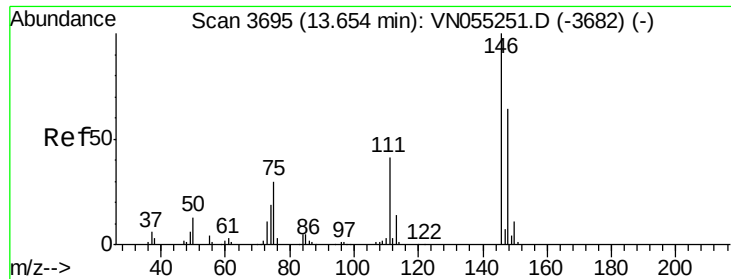


Abundance Ion 117.00 (116.70 to 117.70): VN055251.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN055251.D (-3751) (-)

Time-->





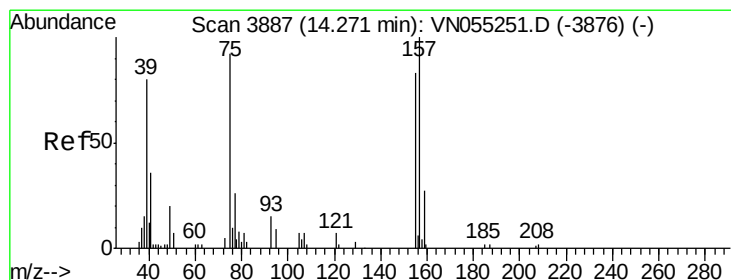
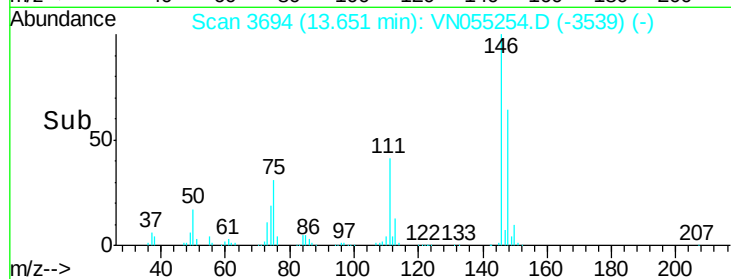
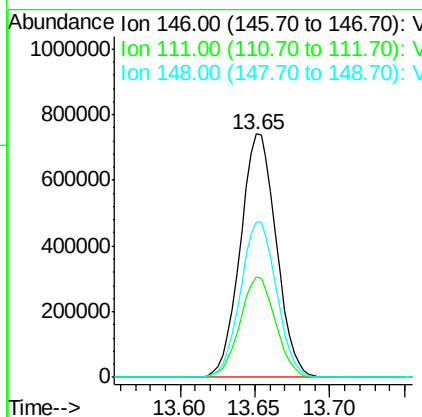
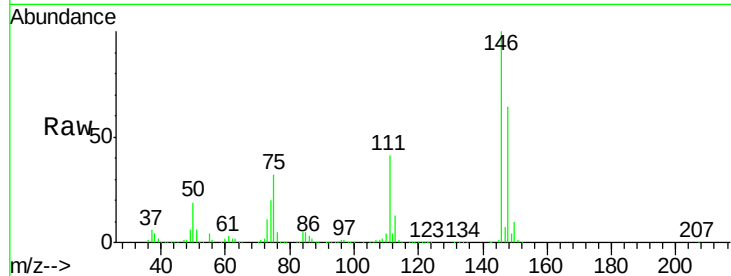
#87
 1,2-Dichlorobenzene
 Concen: 154.823 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.8	62.2
148	64.1	31.9	95.5

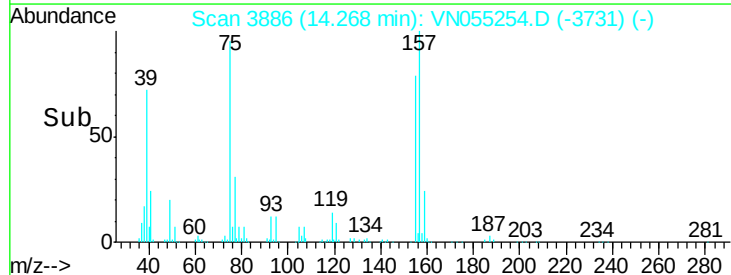
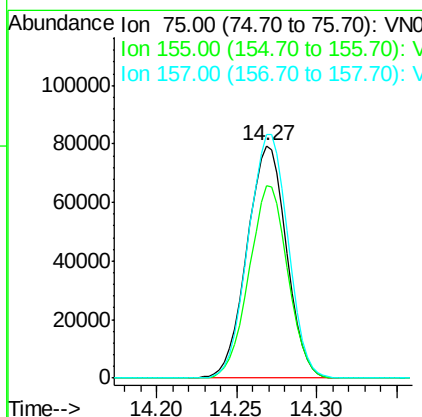
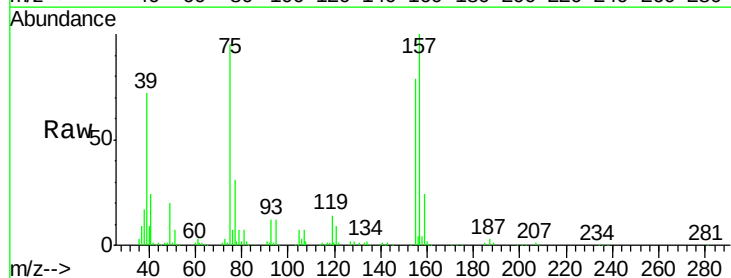
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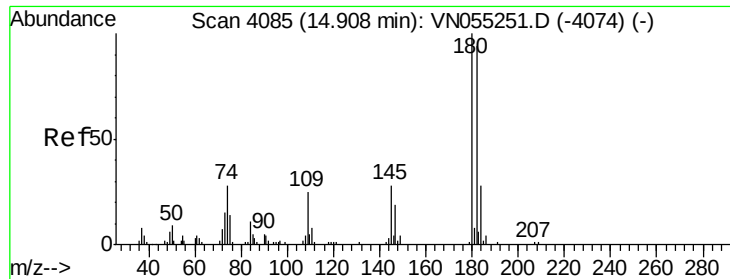
MMDadoda
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 201.651 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.4	70.4	105.6
157	105.5	88.5	132.7





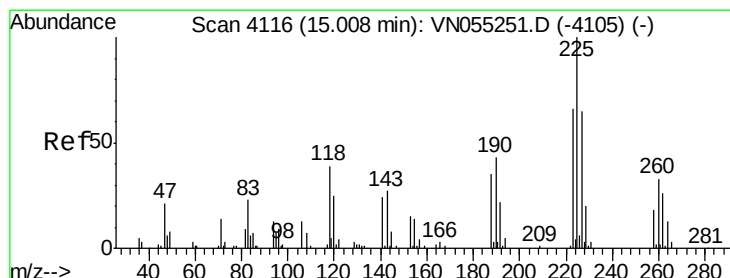
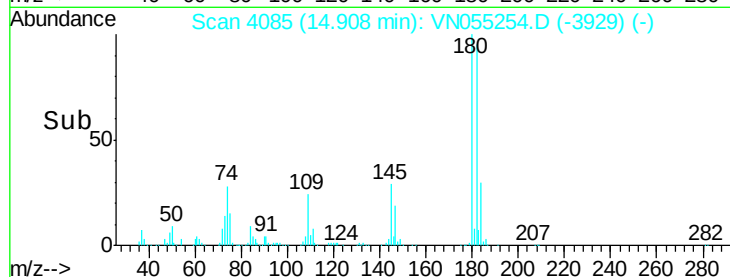
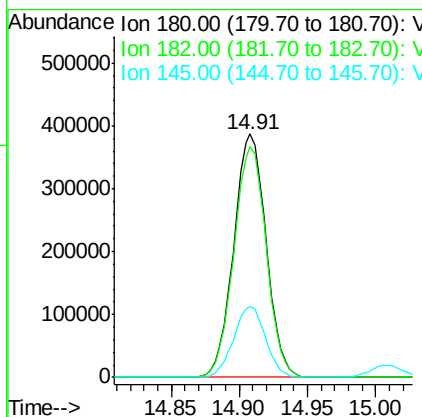
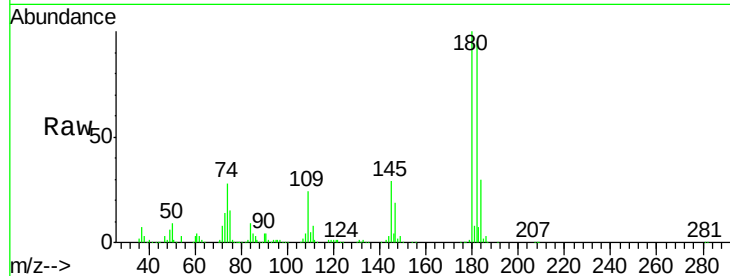
#89
 1,2,4-Trichlorobenzene
 Concen: 182.181 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	74.8	112.2
145	29.0	23.2	34.8

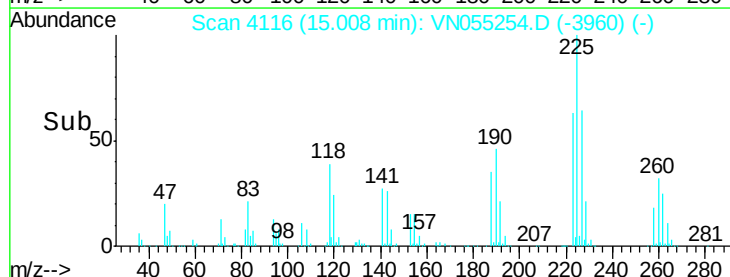
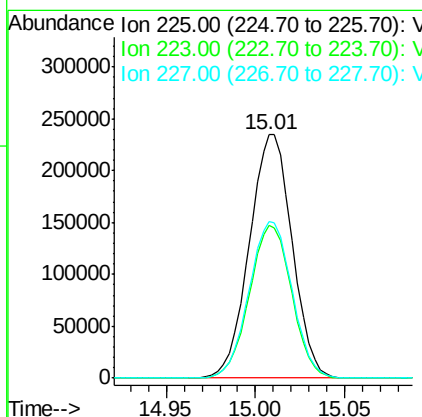
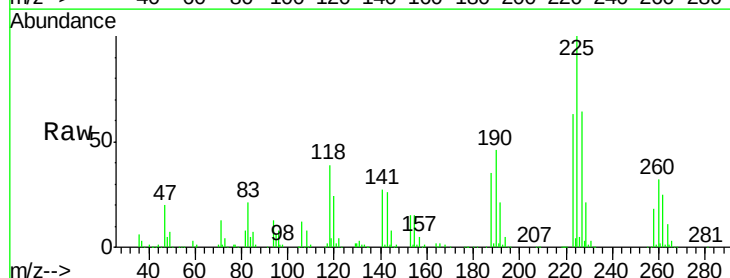
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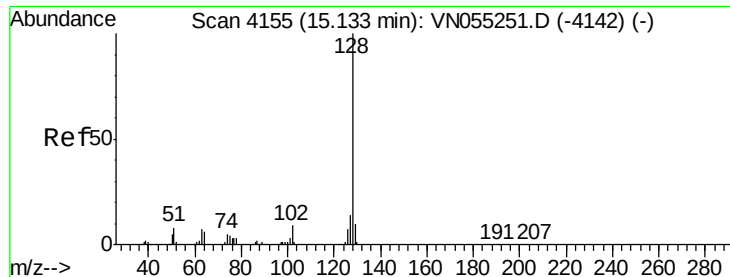
MMdadoda
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#90
 Hexachlorobutadiene
 Concen: 151.540 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	0.0	125.2
227	64.6	0.0	128.4





#91

Naphthalene

Concen: 203.209 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Instrument :

MSVOA_N

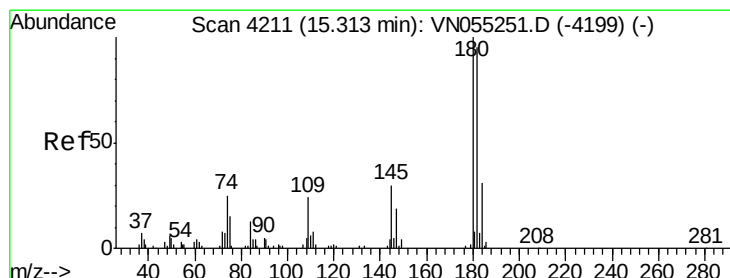
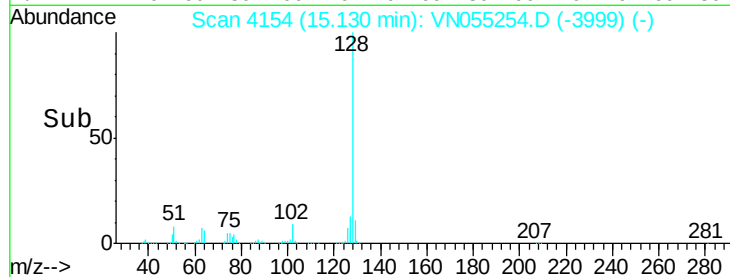
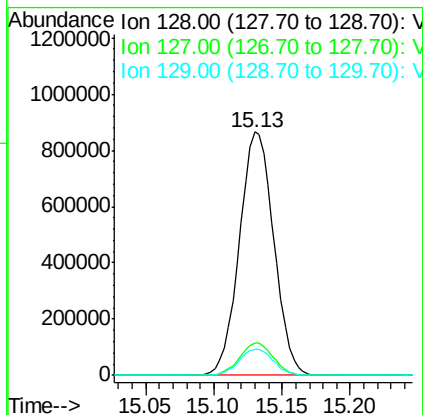
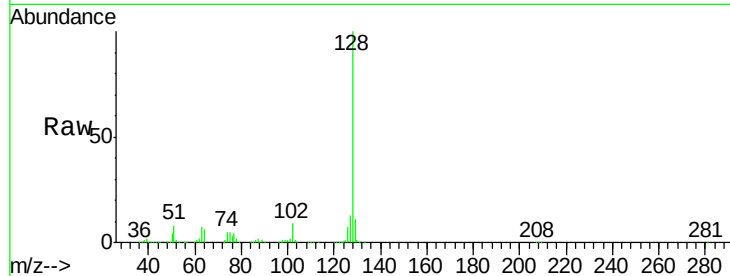
ClientSampleId :

VSTDIC150

Tot Ion:	128	Resp:	1515647
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	16.0
129	10.8	8.0	12.0

Manual Integrations
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#92

1,2,3-Trichlorobenzene

Concen: 180.346 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Tgt Ion:	180	Resp:	634523
Ion	Ratio	Lower	Upper
180	100		
182	94.8	0.0	188.0
145	30.6	0.0	60.0

