

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041119\
 Data File : VN054980.D
 Acq On : 11 Apr 2019 16:13
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 4/12/2019 1:41:23 PM

Quant Time: Apr 12 07:54:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N041119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 12 07:37:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	79120	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	448588	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	405985	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	177524	31.30	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.33%
60) 4-Bromofluorobenzene	12.40	95	196220	31.77	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	105.90%
63) Toluene-d8	10.09	98	559080	28.53	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	95.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	661393	166.526	ug/l 100
3) Chloromethane	2.06	50	912687	173.604	ug/l 97
4) Vinyl Chloride	2.19	62	772485	148.139	ug/l 99
5) Bromomethane	2.55	94	450352	141.202	ug/l 95
6) Chloroethane	2.70	64	436902	143.114	ug/l 100
7) Trichlorofluoromethane	3.02	101	984110	154.749	ug/l 97
8) Diethyl Ether	3.41	74	324141	138.305	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	527054	130.057	ug/l 98
10) 1,1-Dichloroethene	3.73	96	484822	128.353	ug/l 97
11) Methyl Iodide	3.94	142	807070	145.345	ug/l 99
12) Methyl Acetate	4.33	43	678362	208.937	ug/l 98
13) Acrolein	3.61	56	280642	901.395	ug/l 99
14) Acrylonitrile	4.99	53	1388664	909.125	ug/l 98
15) Acetone	3.82	58	287740	650.598	ug/l 99
16) Carbon Disulfide	4.04	76	1854879	152.134	ug/l 98
17) Allyl chloride	4.31	41	1334779	197.187	ug/l 100
18) Methylene Chloride	4.55	84	736719	166.081	ug/l 99
19) trans-1,2-Dichloroethene	5.03	96	679473	164.411	ug/l 96
20) Diisopropyl ether	5.96	45	2639126	194.075	ug/l 97
21) 1,1-Dichloroethane	5.85	63	1369943	170.806	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	783308	169.702	ug/l 100
23) tert-Butyl Alcohol	4.82	59	233654	866.901	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	1853584	181.142	ug/l # 67
25) Chloroform	7.37	83	1308162	169.224	ug/l 100
26) Cyclohexane	7.65	56	1293231	178.146	ug/l # 99
29) 1,1-Dichloropropene	7.79	75	1043282	169.442	ug/l 99
30) 2-Butanone	6.84	43	1765762	909.958	ug/l 100
31) 2,2-Dichloropropane	6.82	77	979350	161.979	ug/l # 100
32) 1,1,1-Trichloroethane	7.57	97	1104223	166.770	ug/l 98
33) Carbon Tetrachloride	7.77	117	957423	163.681	ug/l 98
34) Benzene	8.04	78	3048518	166.634	ug/l # 89
35) Methacrylonitrile	7.18	41	446816	201.811	ug/l 93
36) 1,2-Dichloroethane	8.12	62	1012713	170.459	ug/l 100
37) Trichloroethene	8.83	130	768737	160.444	ug/l 94
38) Methylcyclohexane	9.08	83	1193432	164.429	ug/l 98
39) 1,2-Dichloropropane	9.12	63	840981	167.136	ug/l 99
40) Dibromomethane	9.21	93	466093	162.064	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	1020211	168.024	ug/l	99
42) Vinyl Acetate	5.90	43	9401582	946.753	ug/l	99
43) Ethyl Acetate	6.94	43	733213	180.924	ug/l	97
44) Isopropyl Acetate	8.17	43	1306031	184.907	ug/l	99
45) 1,4-Dioxane	9.20	88	134168	3573.323	ug/l	98
46) Methyl methacrylate	9.20	41	695961	204.748	ug/l	97
47) n-amyl Acetate	12.07	43	1061308	208.056	ug/l	95
48) t-1,3-Dichloropropene	10.38	75	1067500	178.440	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	1227453	173.371	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	655376	163.084	ug/l	99
51) Ethyl methacrylate	10.43	69	897365	189.733	ug/l	99
52) 1,3-Dichloropropane	10.71	76	1169582	170.021	ug/l	100
53) Dibromochloromethane	10.90	129	741268	169.958	ug/l	97
54) 1,2-Dibromoethane	11.00	107	659035	174.081	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	1874208	861.744	ug/l	100
56) Bromoform	12.13	173	487929	170.222	ug/l #	99
58) 4-Methyl-2-Pentanone	9.99	43	3664712	925.766	ug/l	100
59) 2-Hexanone	10.75	43	2328422	899.970	ug/l	98
61) Tetrachloroethene	10.63	164	724976	145.396	ug/l	96
62) Toluene	10.16	91	3226621	162.021	ug/l	98
64) Chlorobenzene	11.43	112	2013086	165.684	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	733450	165.377	ug/l	99
66) Ethyl Benzene	11.51	91	3571602	171.602	ug/l	99
67) m/p-Xylenes	11.62	106	2656104	340.524	ug/l	100
68) o-Xylene	11.95	106	1296254	170.774	ug/l	100
69) Styrene	11.96	104	2105129	176.995	ug/l	99
70) Isopropylbenzene	12.25	105	3468121	173.988	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	795311	162.860	ug/l	97
72) 1,1,2,3-Trichloropropane	12.55	75	655454m	175.705	ug/l	
73) Bromobenzene	12.53	156	848388	169.865	ug/l	100
74) n-propylbenzene	12.59	91	4015964	170.113	ug/l	100
75) 2-Chlorotoluene	12.67	91	2365644	170.502	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	2815513	167.570	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	208475	164.485	ug/l	83
78) 4-Chlorotoluene	12.77	91	2359028	171.353	ug/l	99
79) tert-butylbenzene	12.99	119	2420470	164.039	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	2822343	169.894	ug/l	99
81) sec-Butylbenzene	13.17	105	3265289	162.034	ug/l	100
82) p-Isopropyltoluene	13.29	119	2793047	162.891	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	1473976	168.817	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	1442118	173.399	ug/l	99
85) n-Butylbenzene	13.61	91	2427815	165.421	ug/l	98
86) Hexachloroethane	13.87	117	484889	151.968	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	1400007	165.208	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	121478	176.145	ug/l	90
89) 1,2,4-Trichlorobenzene	14.91	180	786293	189.656	ug/l	97
90) Hexachlorobutadiene	15.01	225	427151	136.263	ug/l	99
91) Naphthalene	15.13	128	1741719	211.676	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	748516	181.058	ug/l	98

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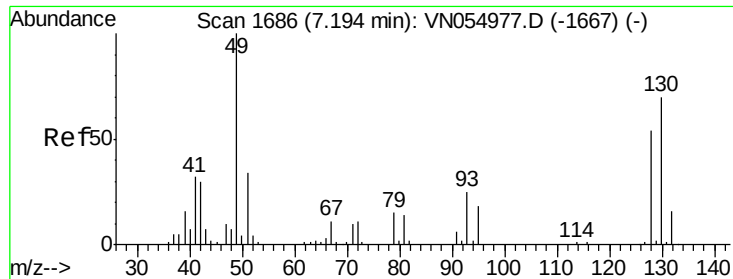
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

Instrument :

MSVOA_N

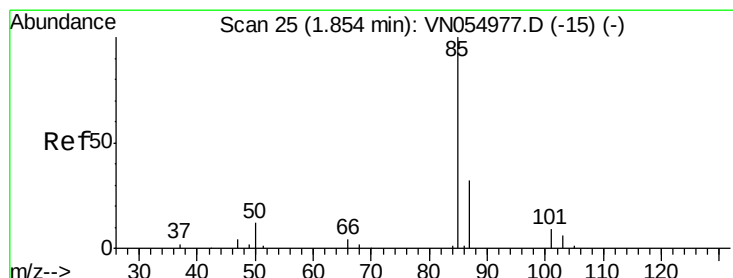
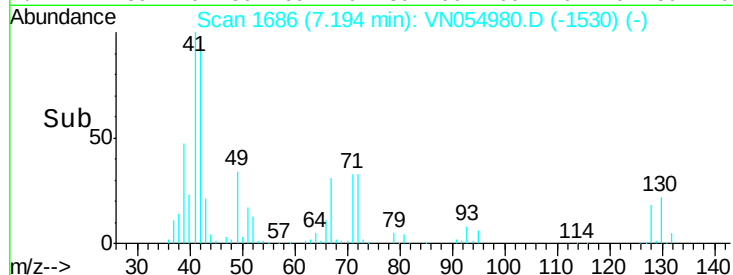
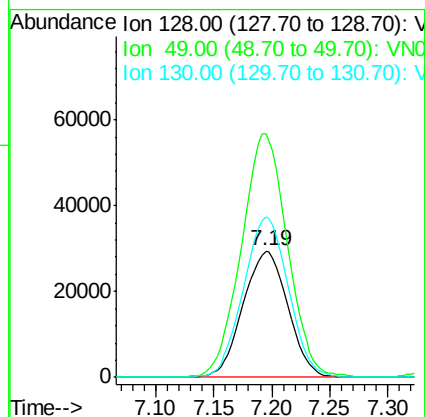
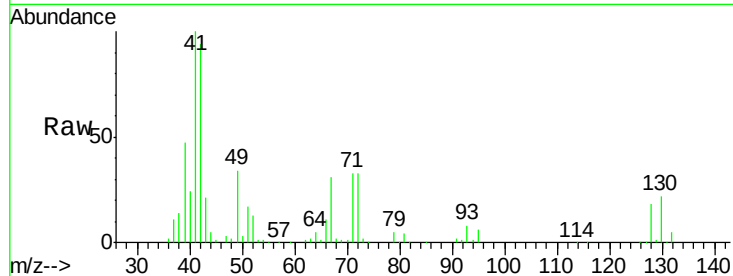
ClientSampleId :

VSTDIC150

Tot Ion:	128	Resp:	79120
Ion	Ratio	Lower	Upper
128	100		
49	198.0	0.0	480.3
130	127.6	0.0	322.2

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#2

Dichlorodifluoromethane

Concen: 166.526 ug/l

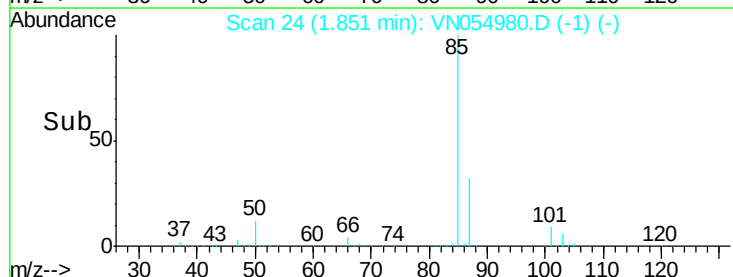
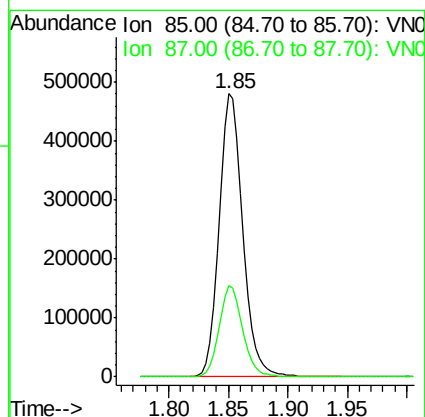
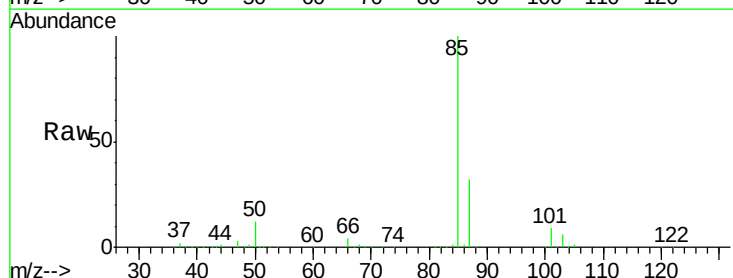
RT: 1.85 min Scan# 24

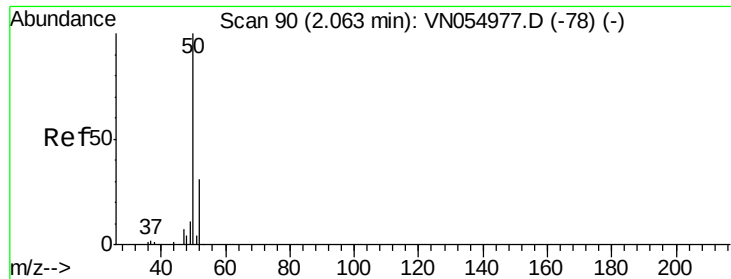
Delta R.T. -0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

Tgt Ion:	85	Resp:	661393
Ion	Ratio	Lower	Upper
85	100		
87	32.1	16.1	48.3





#3

Chloromethane

Concen: 173.604 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 912687

Ion Ratio Lower Upper

50 100

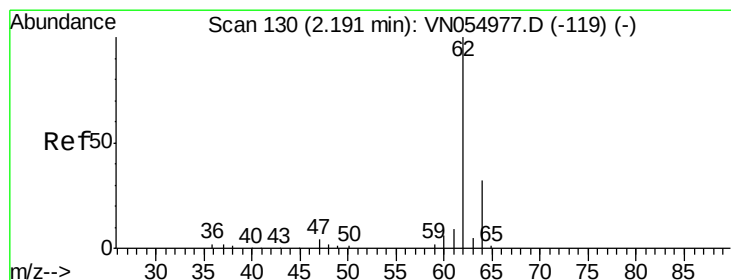
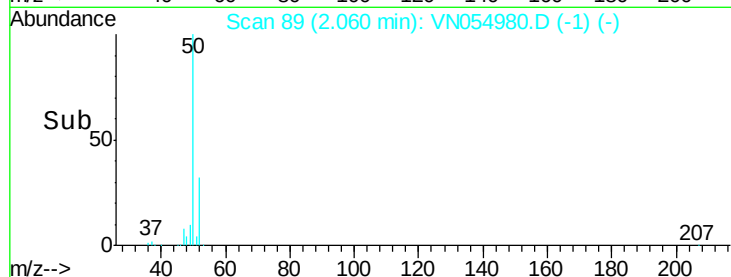
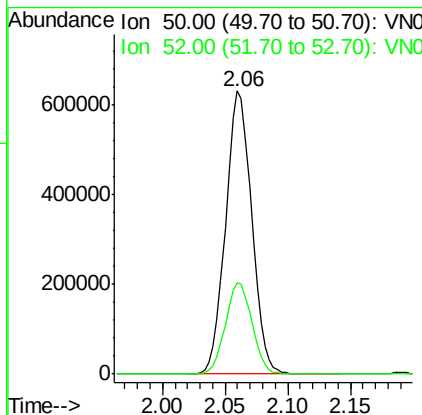
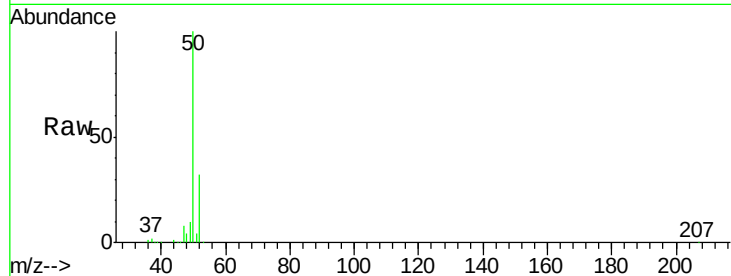
52 32.3 24.5 36.7

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#4

Vinyl Chloride

Concen: 148.139 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054980.D

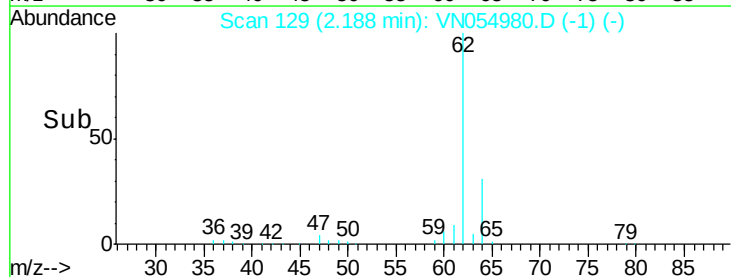
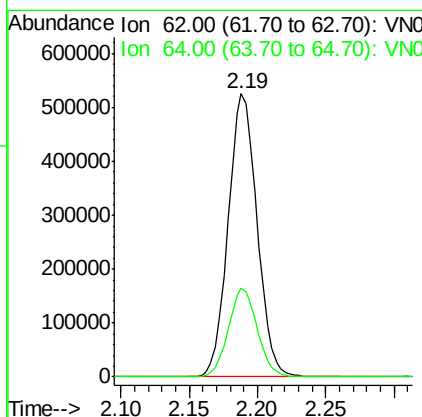
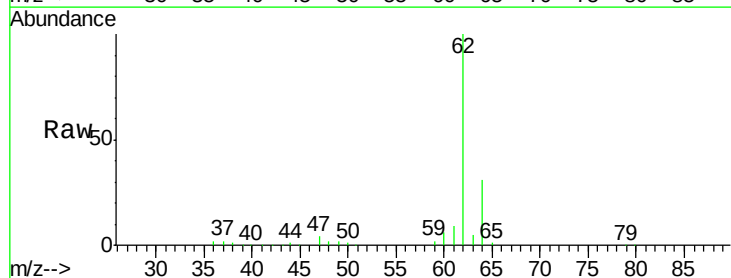
Acq: 11 Apr 2019 16:13

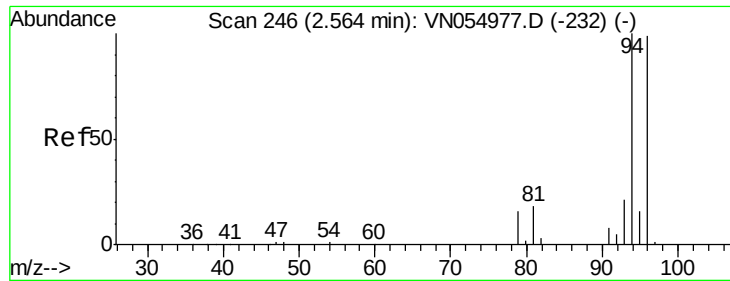
Tgt Ion: 62 Resp: 772485

Ion Ratio Lower Upper

62 100

64 31.3 25.6 38.4





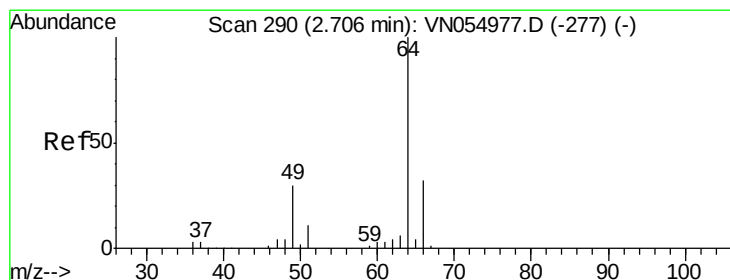
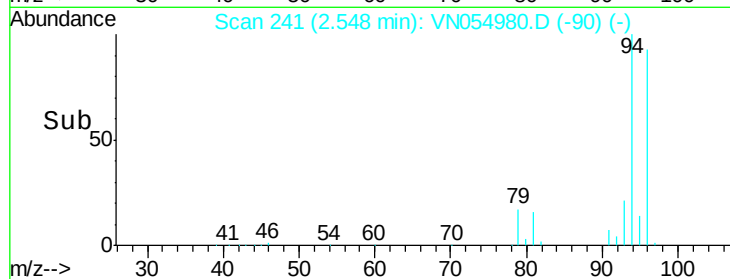
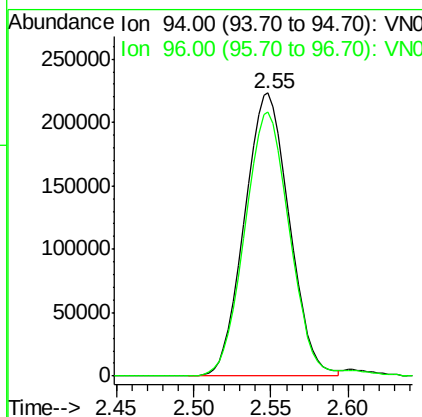
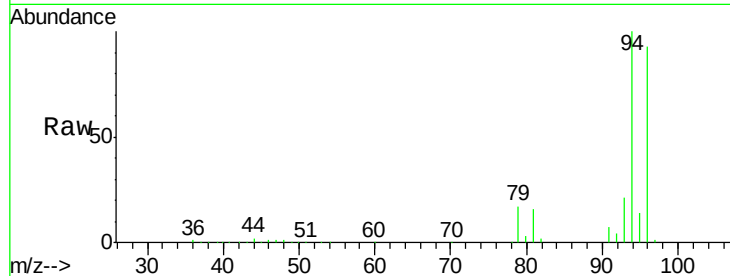
#5
Bromomethane
Concen: 141.202 ug/l
RT: 2.55 min Scan# 241
Delta R.T. -0.02 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

Instrument :
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ClientSampleId :
VSTDIC150

Tot Ion: 94 Resp: 450352
Ion Ratio Lower Upper
94 100
96 93.5 79.1 118.7

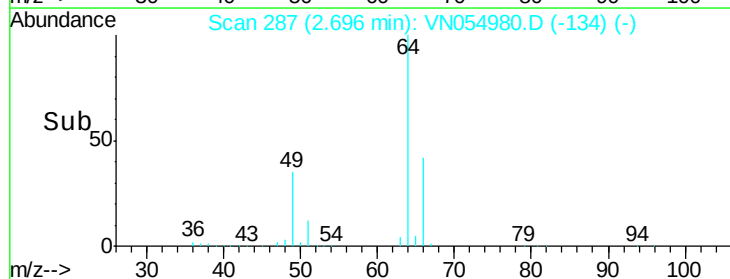
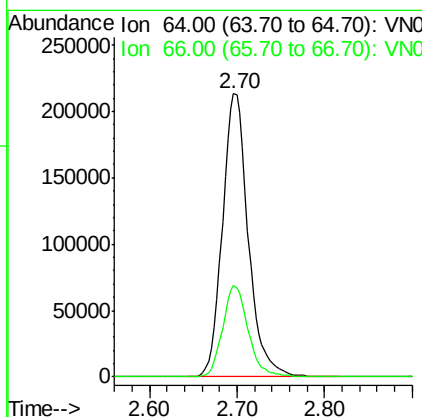
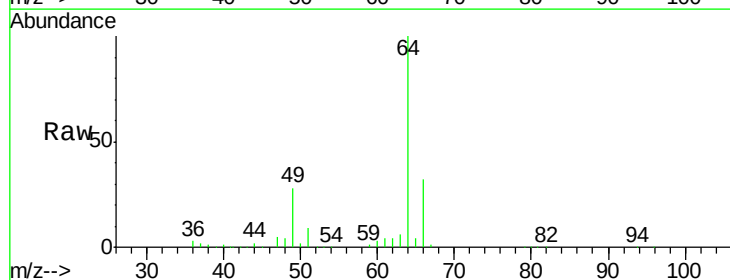
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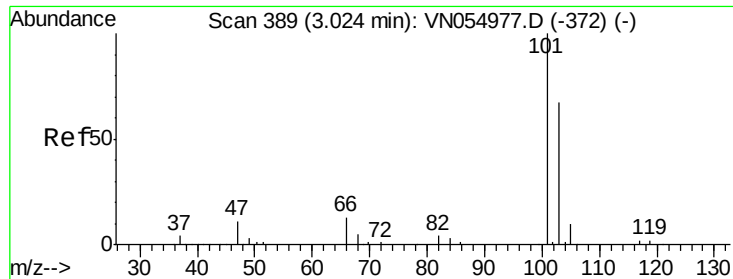
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#6
Chloroethane
Concen: 143.114 ug/l
RT: 2.70 min Scan# 287
Delta R.T. -0.01 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

Tgt Ion: 64 Resp: 436902
Ion Ratio Lower Upper
64 100
66 32.1 25.7 38.5





#7

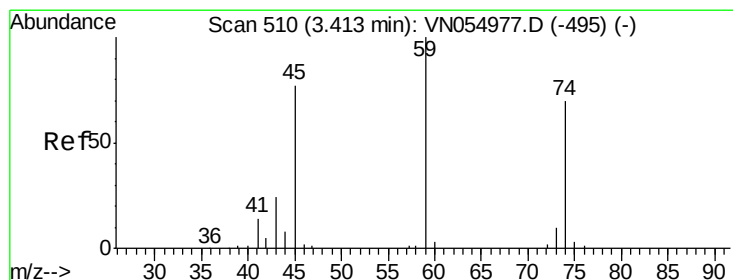
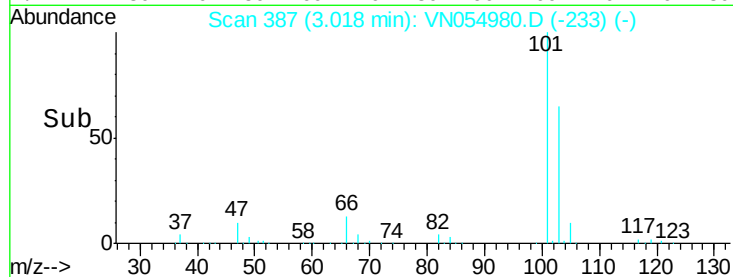
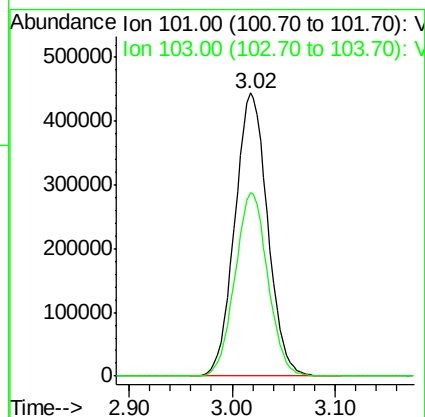
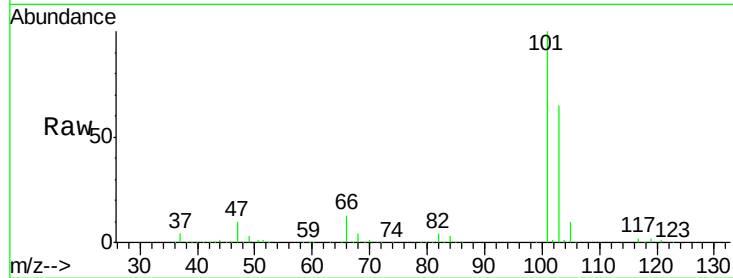
Trichlorofluoromethane
Concen: 154.749 ug/l
RT: 3.02 min Scan# 387
Delta R.T. -0.01 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

Instrument :
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ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	53.4	80.0

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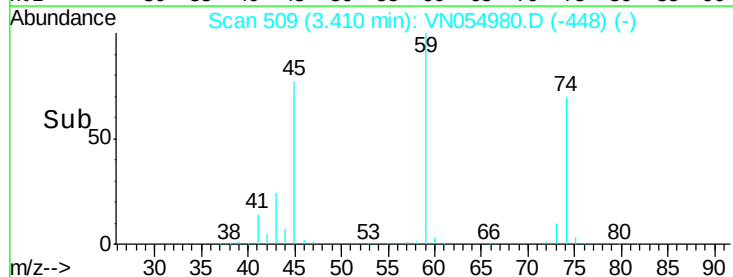
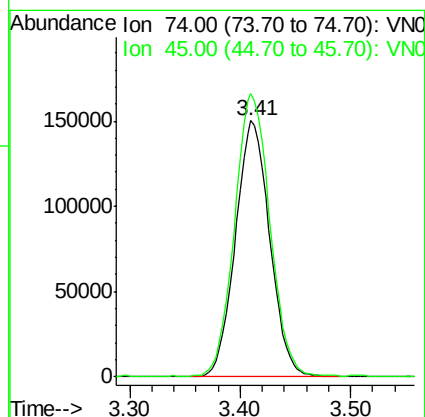
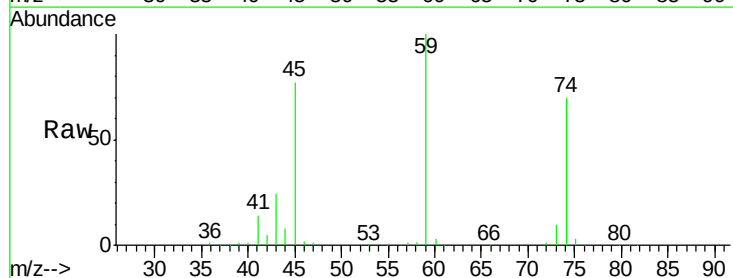
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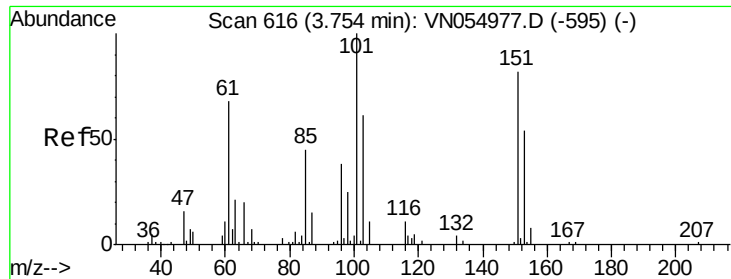


#8

Diethyl Ether
Concen: 138.305 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	113.1	22.9	205.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 130.057 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

Instrument :

MSVOA_N

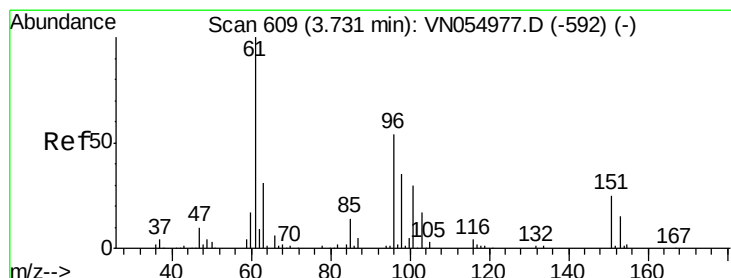
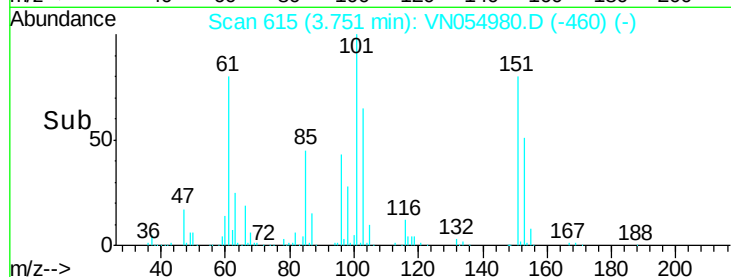
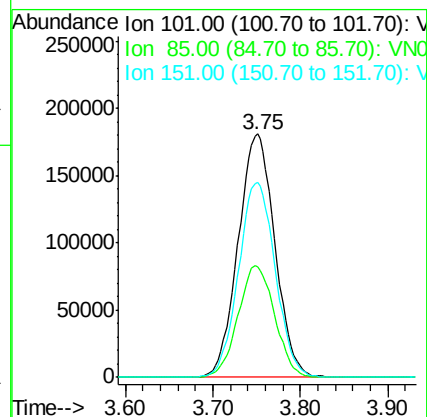
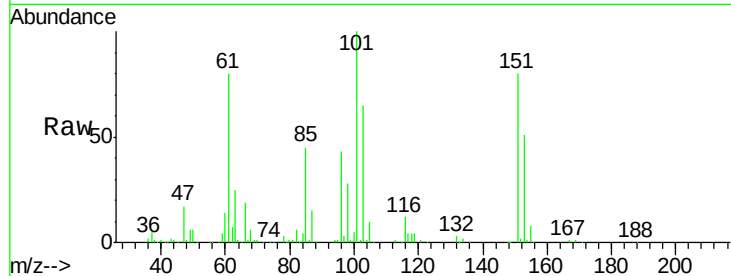
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	527054
Ion Ratio	Lower	Upper	
101	100		
85	45.7	0.0	91.4
151	80.4	0.0	165.6

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#10

1,1-Dichloroethene

Concen: 128.353 ug/l

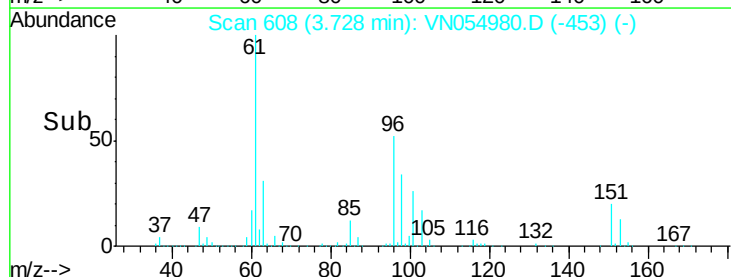
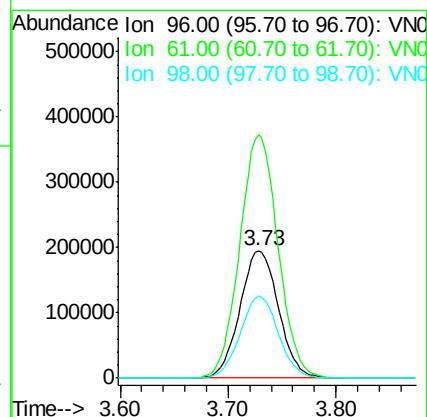
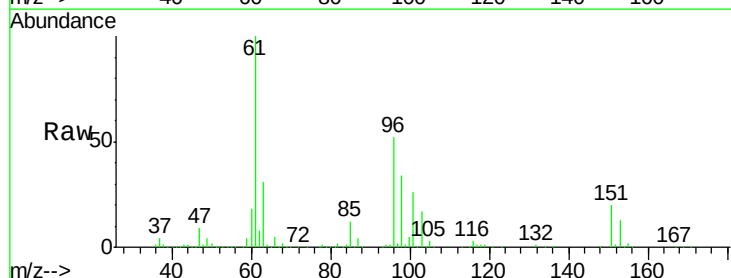
RT: 3.73 min Scan# 608

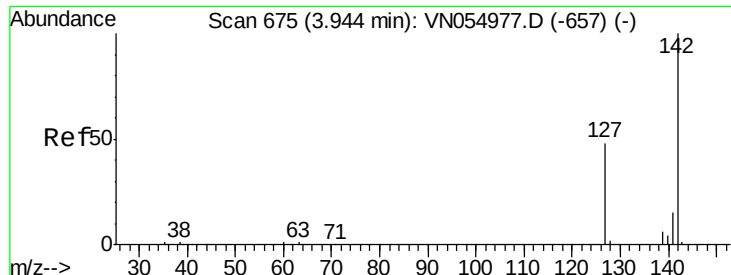
Delta R.T. -0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

Tgt Ion:	96	Resp:	484822
Ion Ratio	Lower	Upper	
96	100		
61	190.8	148.4	222.6
98	64.3	52.2	78.2





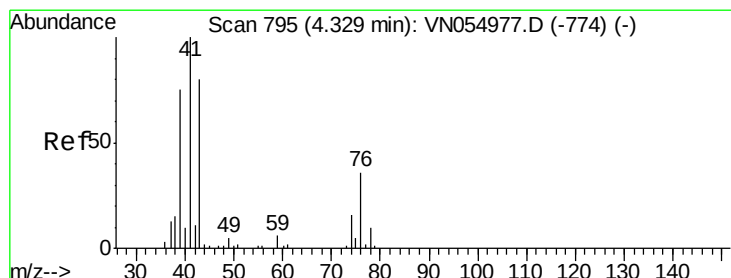
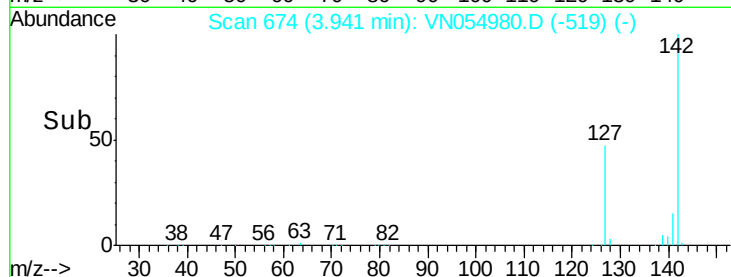
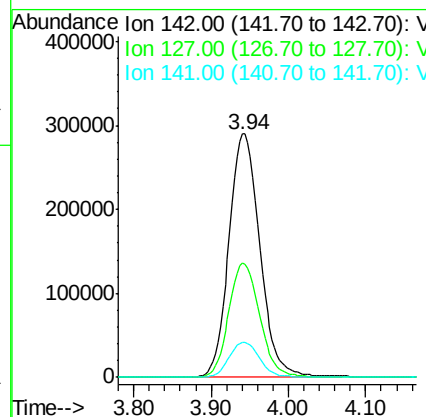
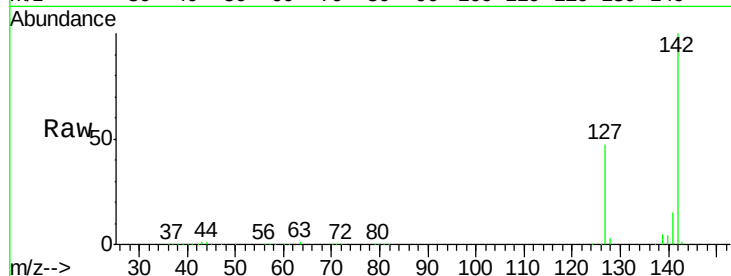
#11
Methvl Iodide
Concen: 145.345 ug/l
RT: 3.94 min Scan# 674
Delta R.T. -0.00 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
142	100		
127	47.1	23.8	71.5
141	14.6	7.3	22.0

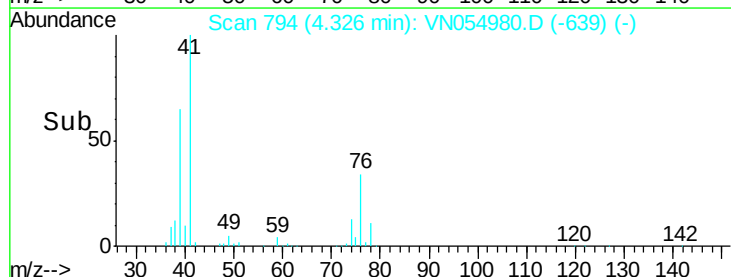
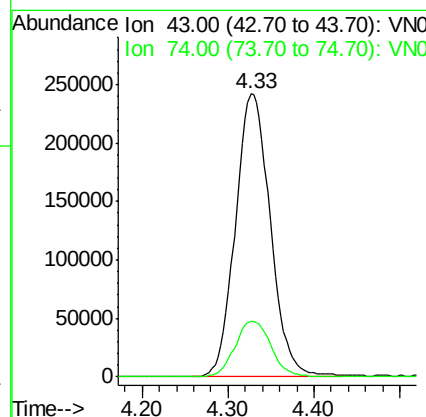
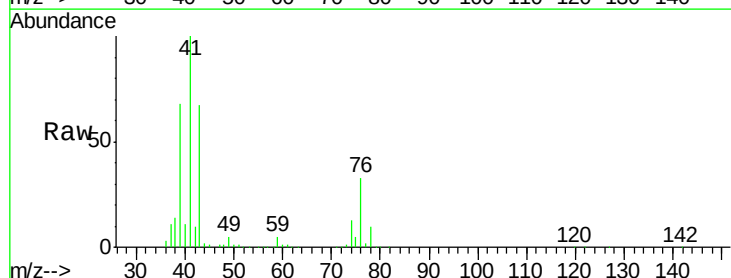
Manual Integrations
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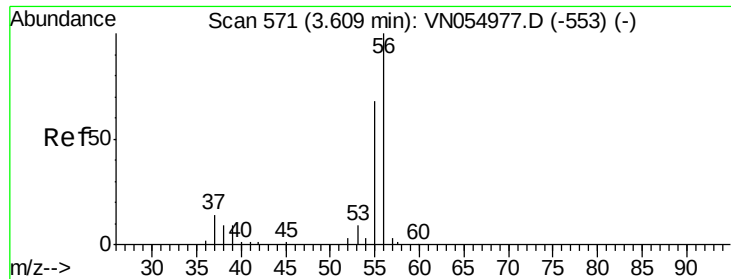
MMDadoda
4/12/2019 1:41:23 PM



#12
Methyl Acetate
Concen: 208.937 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.4	16.2	24.4





#13

Acrolein

Concen: 901.395 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 56 Resp: 280642

Ion Ratio Lower Upper

56 100

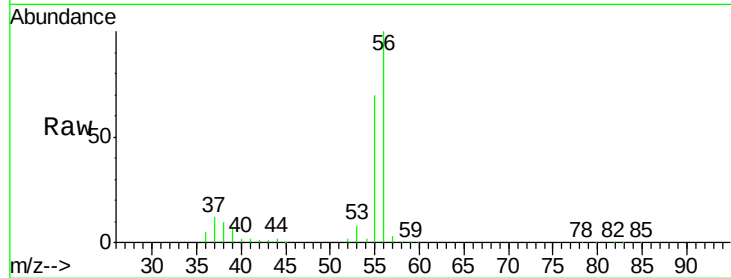
55 72.0 57.0 85.4

Manual Integrations

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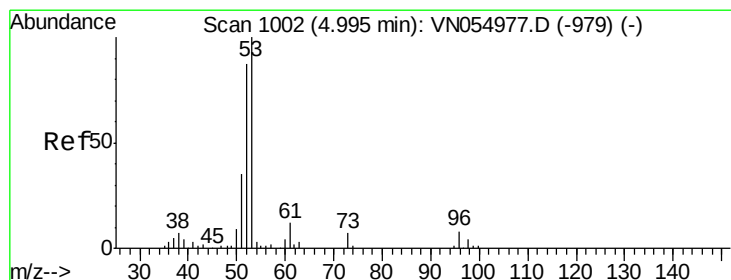
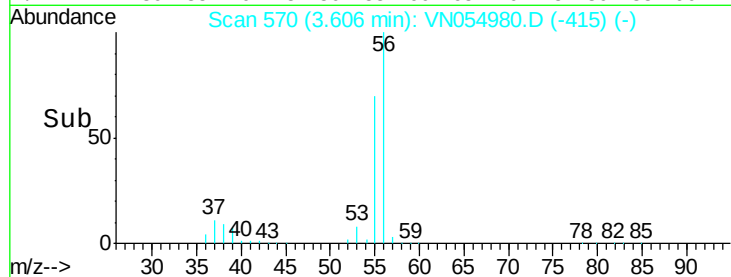
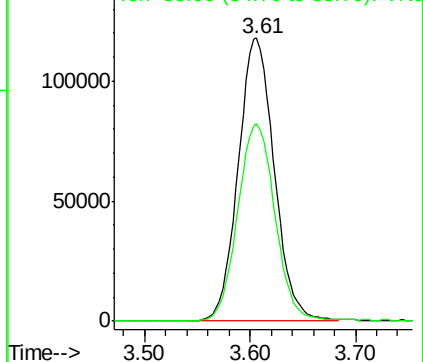
MMDadoda

4/12/2019 1:41:23 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 909.125 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

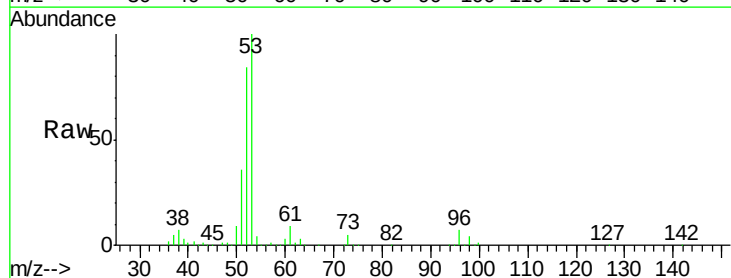
Tgt Ion: 53 Resp: 1388664

Ion Ratio Lower Upper

53 100

52 82.8 42.3 126.8

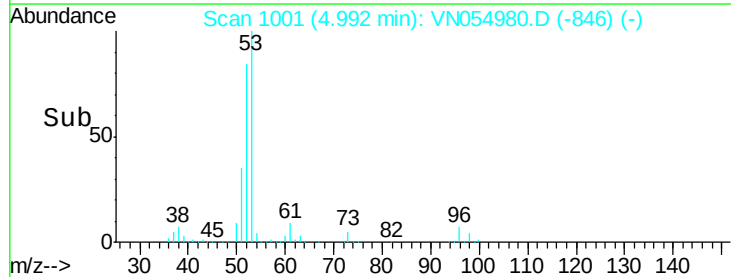
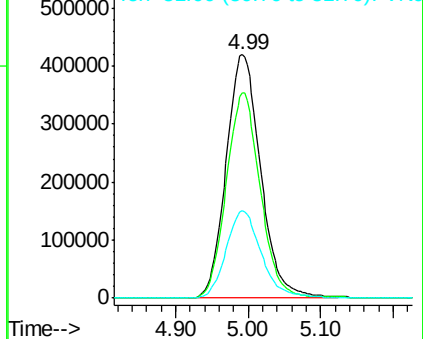
51 36.7 18.6 56.0

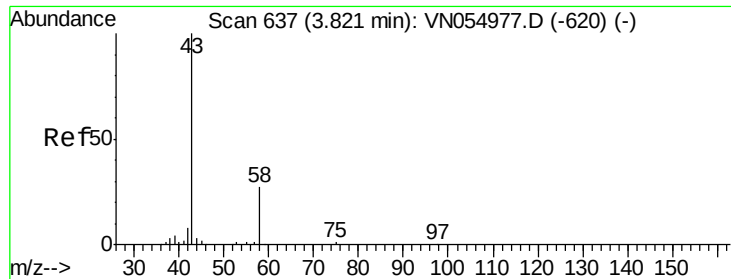


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 650.598 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 58 Resp: 287740

Ion Ratio Lower Upper

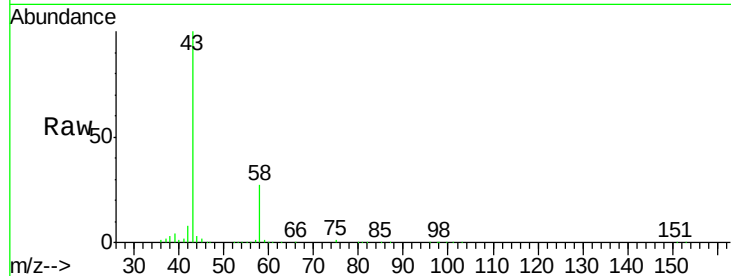
58 100

43 372.9 297.2 445.8

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Abundance Ion 58.00 (57.70 to 58.70): VN054977.D (-620) (-)

Ion 43.00 (42.70 to 43.70): VN054977.D (-620) (-)

500000

400000

300000

200000

100000

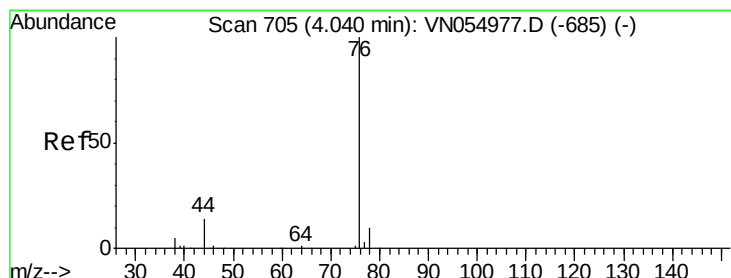
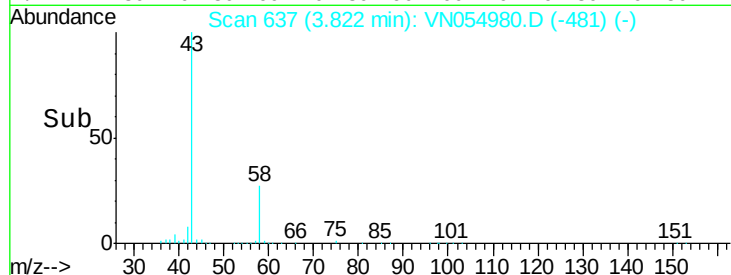
0

3.70

3.80

3.90

Time-->



#16

Carbon Disulfide

Concen: 152.134 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN054980.D

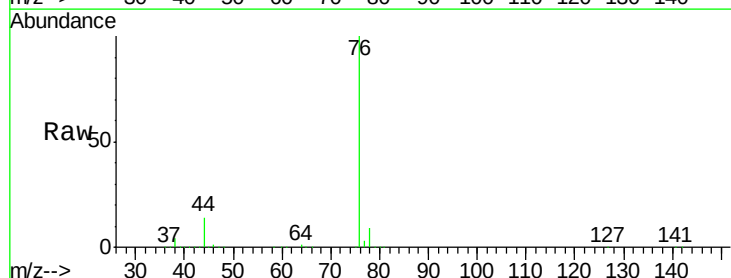
Acq: 11 Apr 2019 16:13

Tgt Ion: 76 Resp: 1854879

Ion Ratio Lower Upper

76 100

78 9.1 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VN054977.D (-685) (-)

Ion 78.00 (77.70 to 78.70): VN054977.D (-685) (-)

800000

600000

400000

200000

0

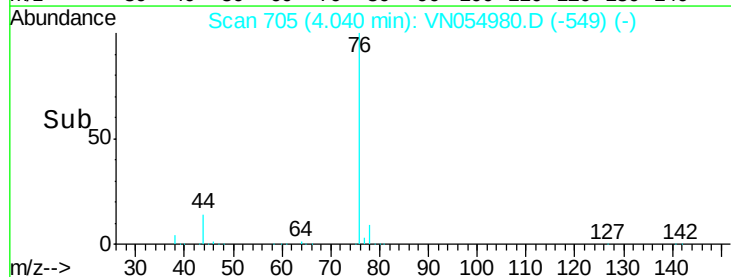
3.90

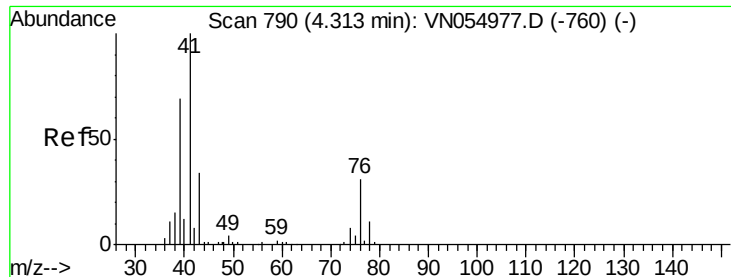
4.00

4.10

4.20

Time-->





#17

Allvl chloride

Concen: 197.187 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 41 Resp: 1334779

Ion Ratio Lower Upper

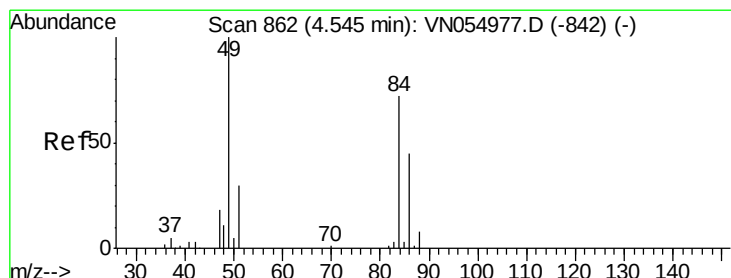
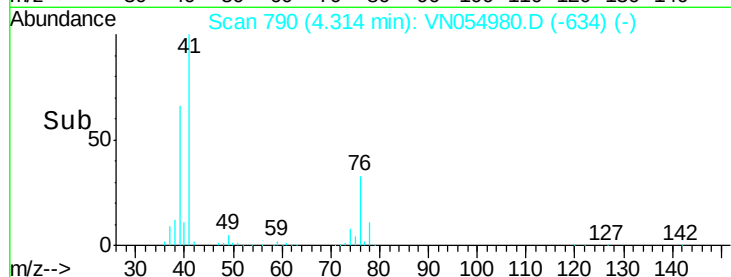
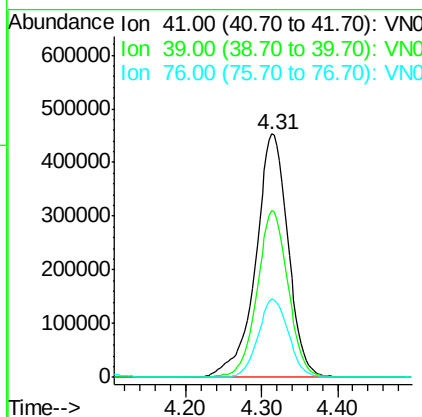
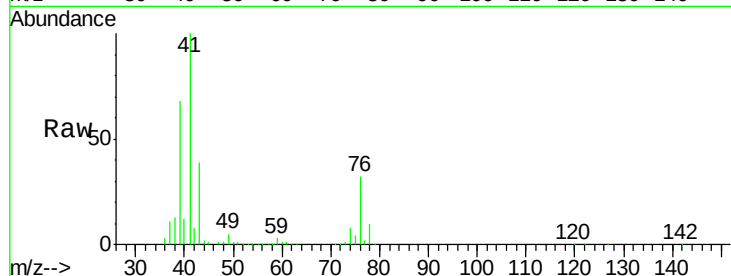
41 100

39 68.4 34.3 102.9

76 32.0 15.8 47.3

Manual Integrations
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#18

Methylene Chloride

Concen: 166.081 ug/l

RT: 4.55 min Scan# 862

Delta R.T. 0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

Tgt Ion: 84 Resp: 736719

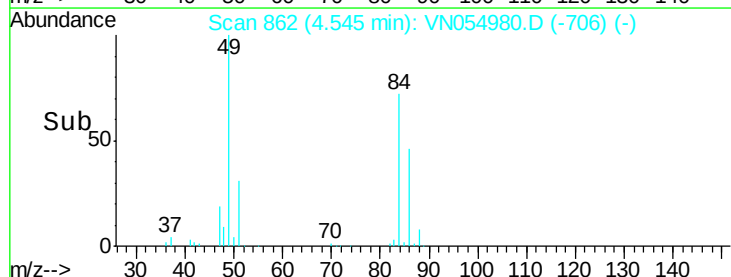
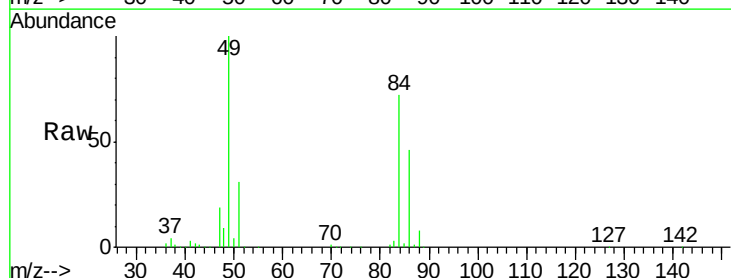
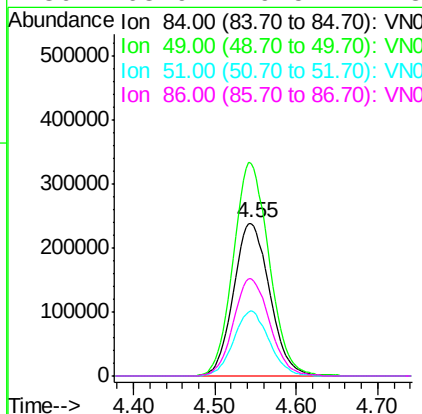
Ion Ratio Lower Upper

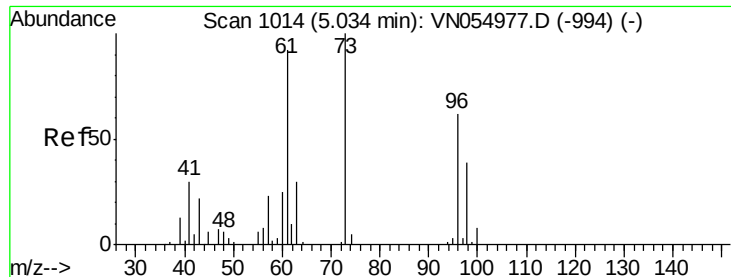
84 100

49 139.3 111.0 166.4

51 42.6 33.4 50.2

86 63.9 49.5 74.3





#19

trans-1,2-Dichloroethene

Concen: 164.411 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 679473

Ion Ratio Lower Upper

96 100

61 151.7 117.2 175.8

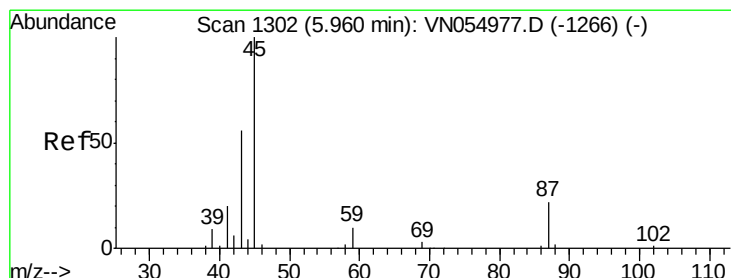
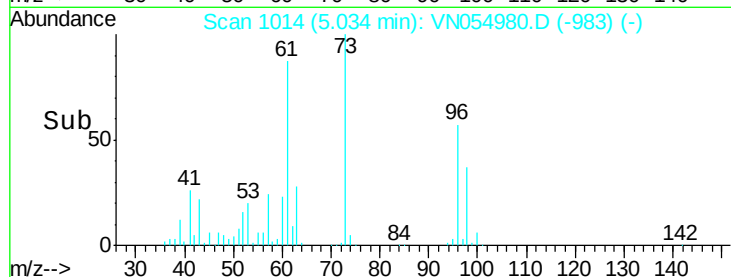
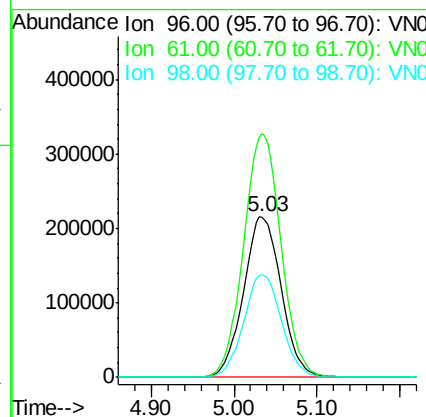
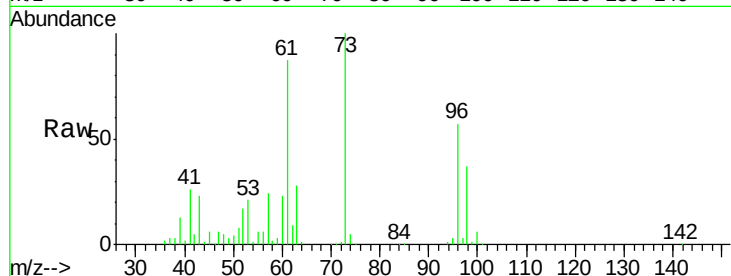
98 63.9 49.4 74.2

Manual Integrations

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#20

Diisopropyl ether

Concen: 194.075 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

Tgt Ion: 45 Resp: 2639126

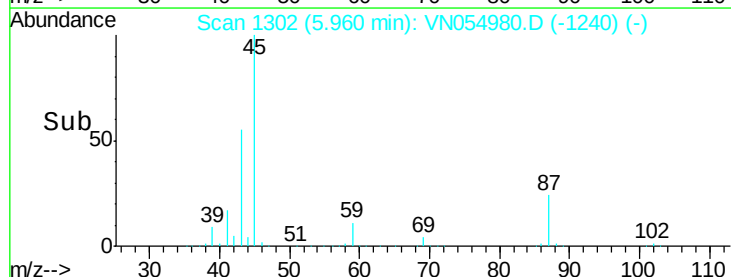
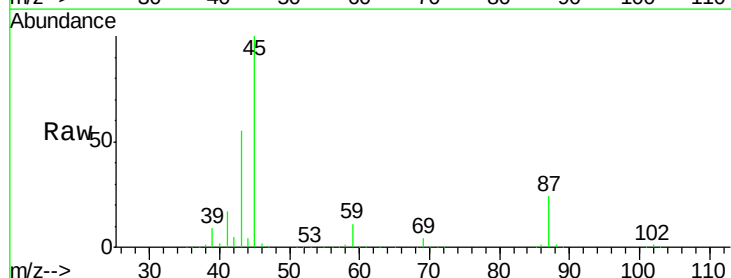
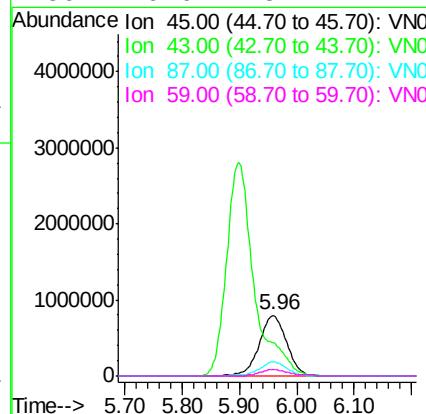
Ion Ratio Lower Upper

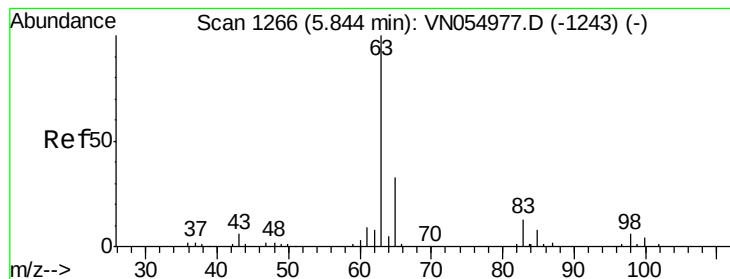
45 100

43 54.6 45.8 68.8

87 23.6 18.2 27.4

59 10.6 8.2 12.2





#21

1,1-Dichloroethane

Concen: 170.806 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 63 Resp: 1369943

Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.7

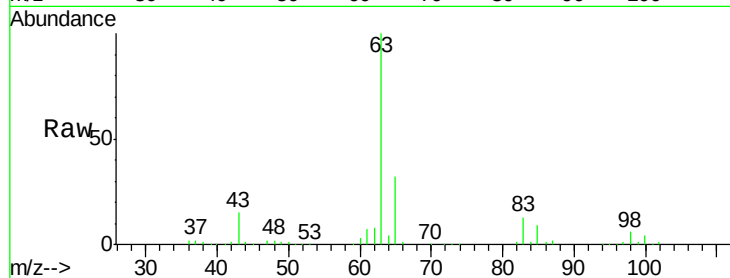
100 3.7 2.0 5.8

Manual Integrations

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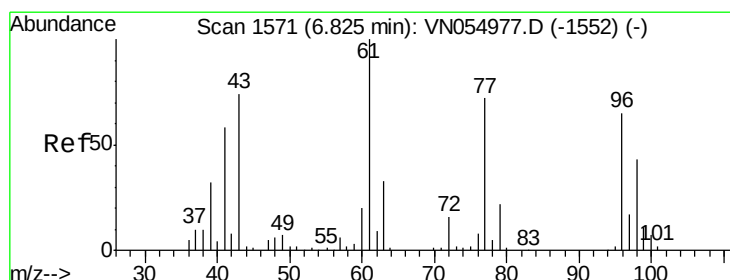
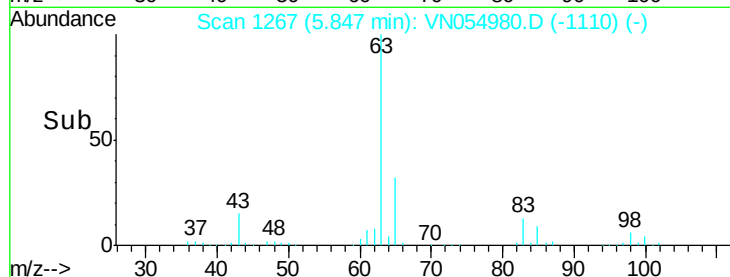
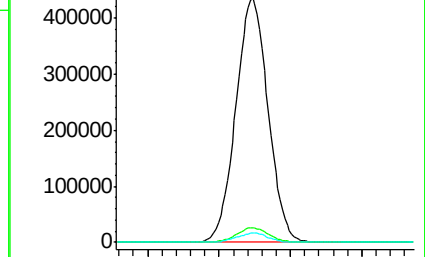
4/12/2019 1:41:23 PM



Abundance Ion 63.00 (62.70 to 63.70): VN054977.D (-1243) (-)

Ion 98.00 (97.70 to 98.70): VN054977.D (-1243) (-)

Ion 100.00 (99.70 to 100.70): VN054977.D (-1243) (-)



#22

cis-1,2-Dichloroethene

Concen: 169.702 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

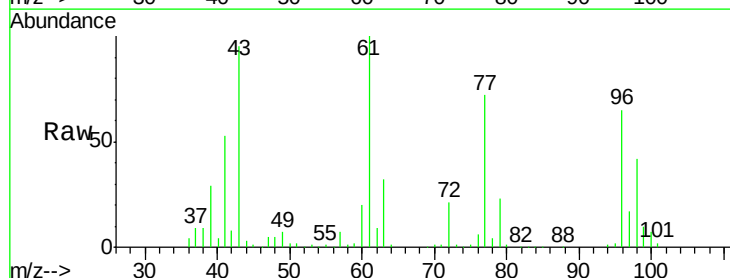
Tgt Ion: 96 Resp: 783308

Ion Ratio Lower Upper

96 100

61 156.2 125.0 187.6

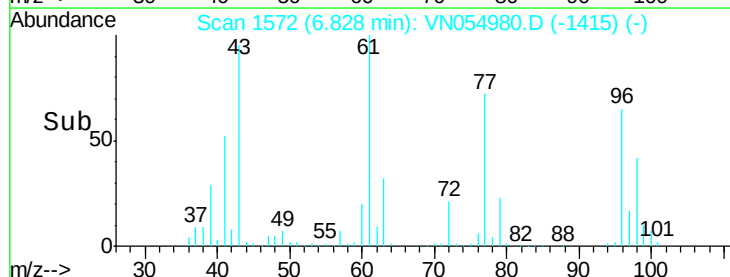
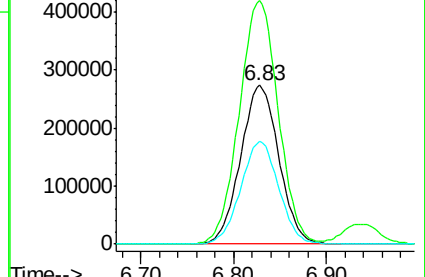
98 64.5 52.2 78.2

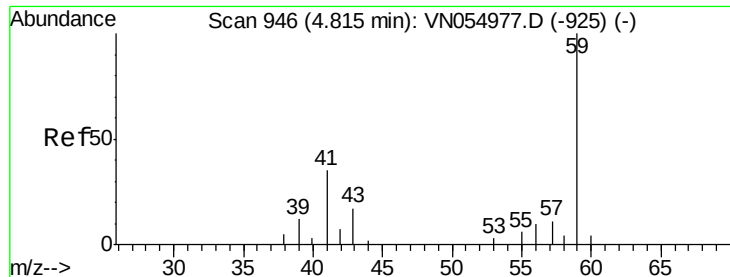


Abundance Ion 96.00 (95.70 to 96.70): VN054977.D (-1552) (-)

Ion 61.00 (60.70 to 61.70): VN054977.D (-1552) (-)

Ion 98.00 (97.70 to 98.70): VN054977.D (-1552) (-)





#23

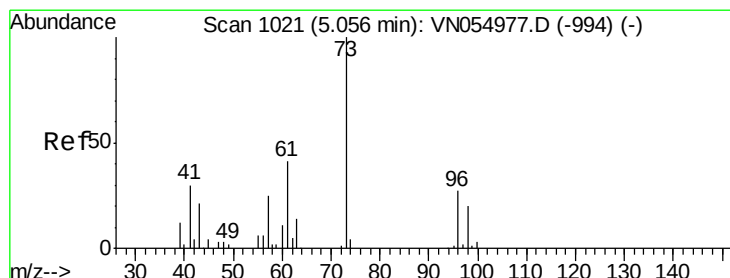
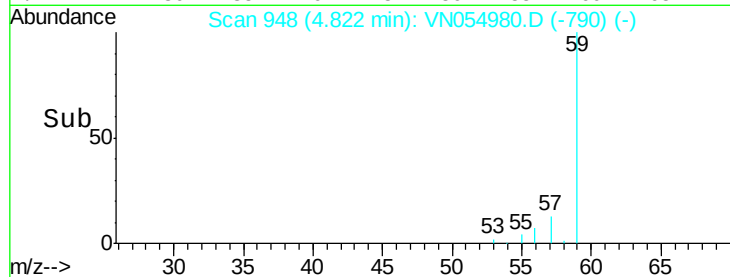
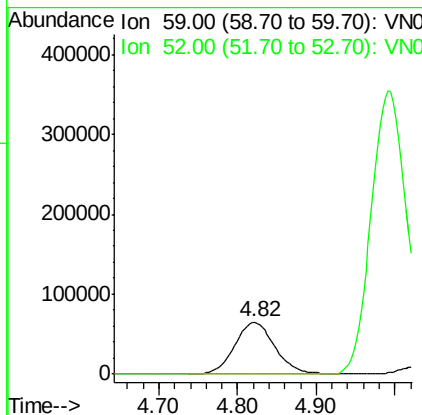
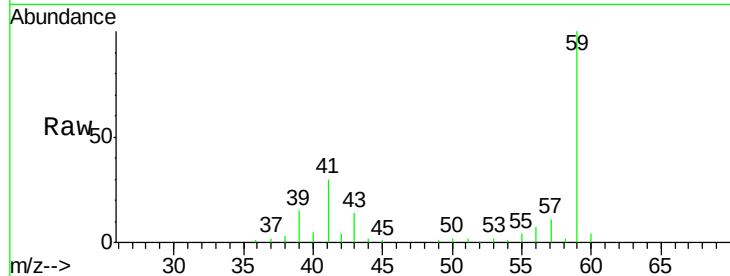
tert-Butyl Alcohol
 Concen: 866.901 ug/l
 RT: 4.82 min Scan# 948
 Delta R.T. 0.01 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	59	52	Ratio	100	0.2	Resp	233654	Lower	0.0	Upper	0.0#
Ion	59	52	Ratio	100	0.2	Resp	233654	Lower	0.0	Upper	0.0#

Manual Integrations
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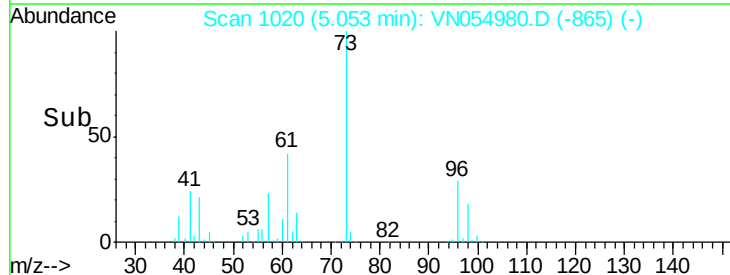
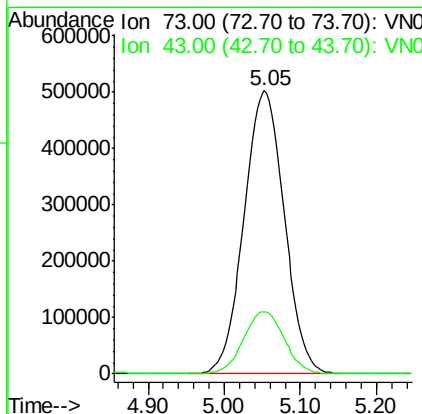
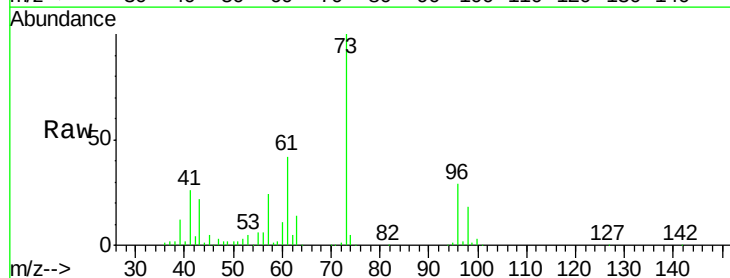
MMDadoda
 4/12/2019 1:41:23 PM

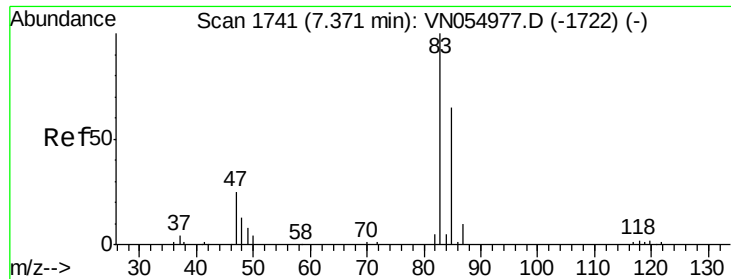


#24

Methyl tert-Butyl Ether
 Concen: 181.142 ug/l
 RT: 5.05 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

Tgt Ion	73	43	Ratio	100	22.1	Resp	1853584	Lower	8.0	Upper	12.0#
Ion	73	43	Ratio	100	22.1	Resp	1853584	Lower	8.0	Upper	12.0#





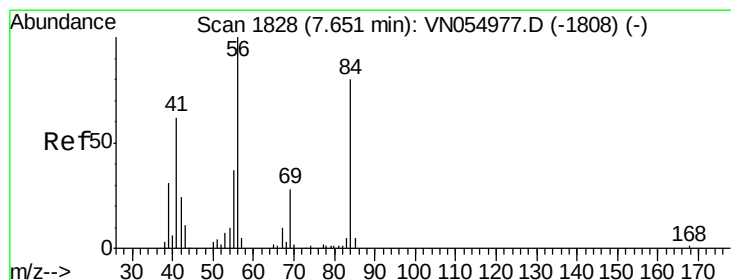
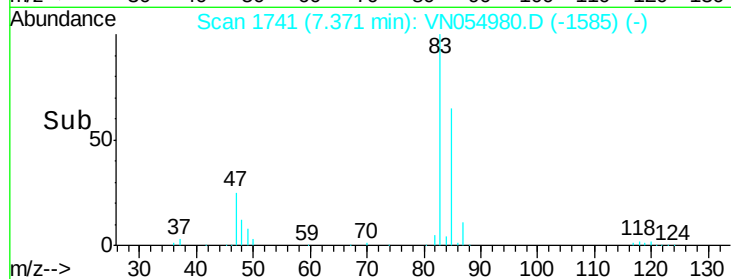
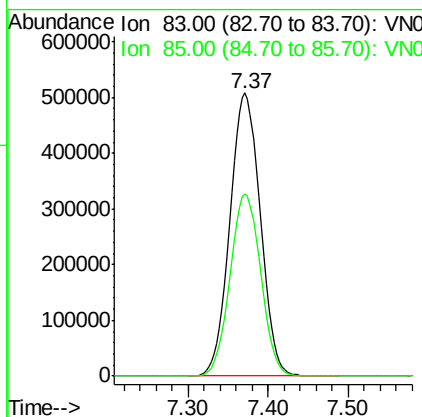
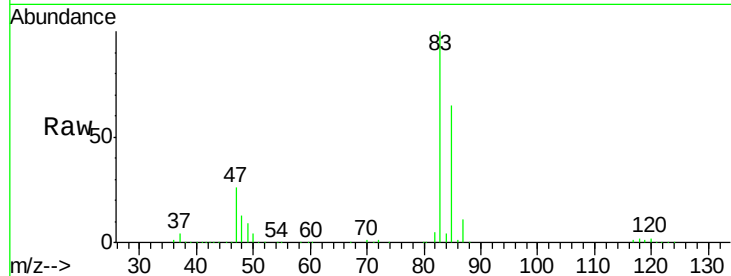
#25
Chloroform
Concen: 169.224 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 1308162
Ion Ratio Lower Upper
83 100
85 64.5 51.8 77.8

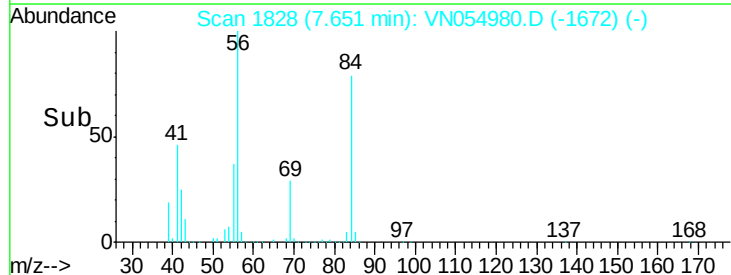
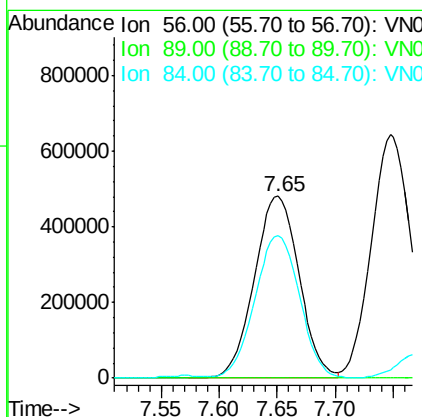
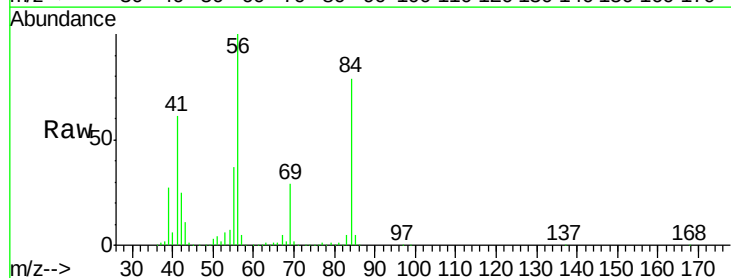
Manual Integrations
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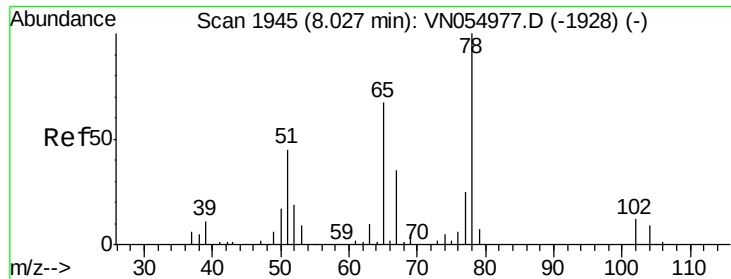
MMDadoda
4/12/2019 1:41:23 PM



#26
Cyclohexane
Concen: 178.146 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

Tgt Ion: 56 Resp: 1293231
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 78.5 63.5 95.3





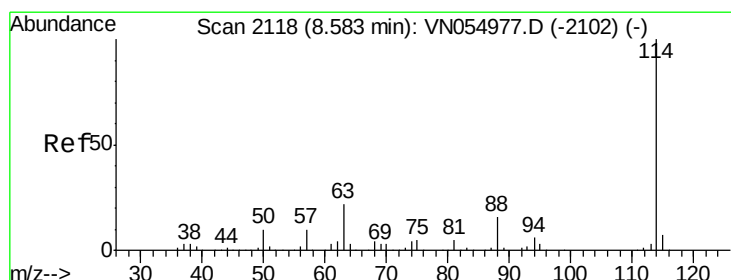
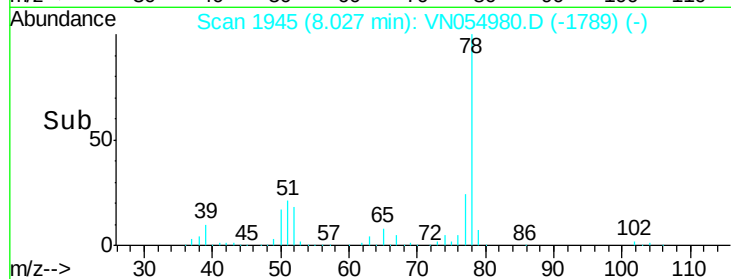
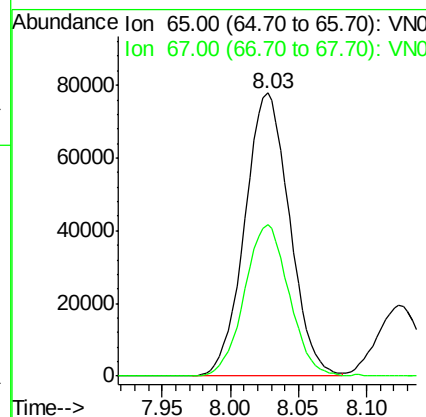
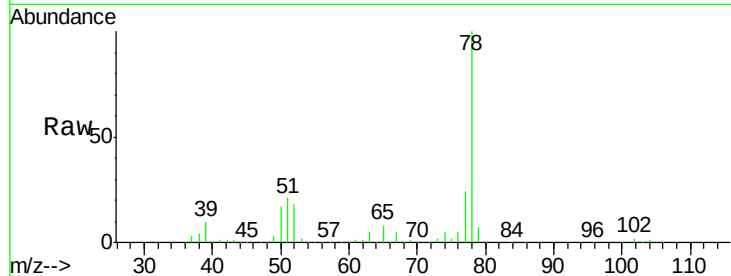
#27
 1,2-Dichloroethane-d4
 Concen: 178.146 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 65 Resp: 177524
 Ion Ratio Lower Upper
 65 100
 67 53.1 41.8 62.8

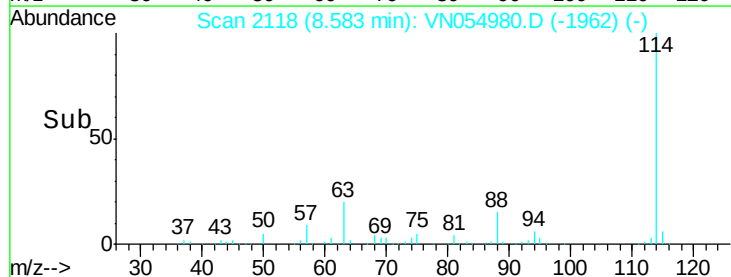
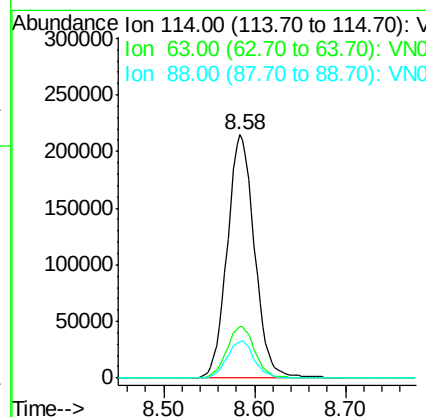
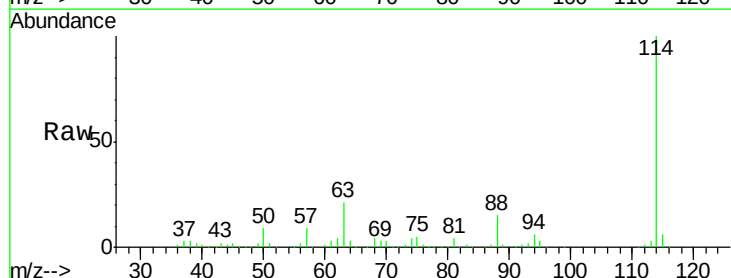
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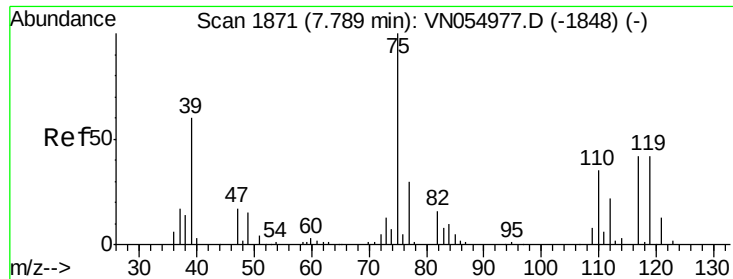
MMDadoda
 4/12/2019 1:41:23 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

Tgt Ion: 114 Resp: 448588
 Ion Ratio Lower Upper
 114 100
 63 21.7 17.0 25.4
 88 15.1 12.3 18.5





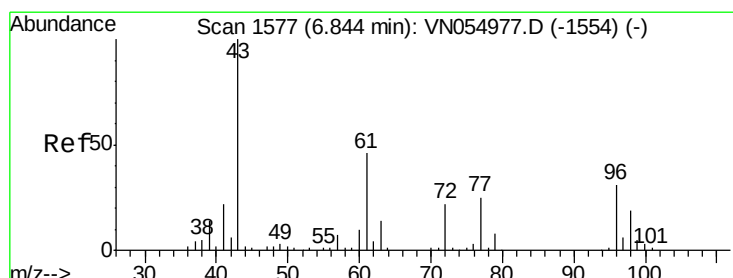
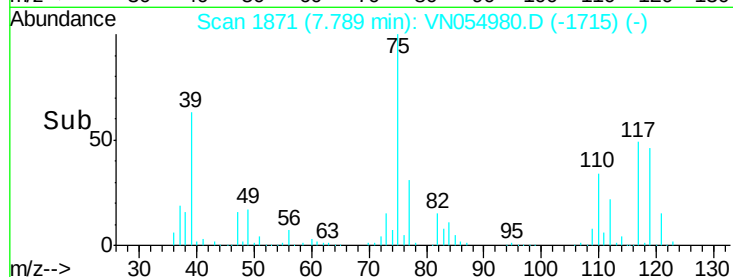
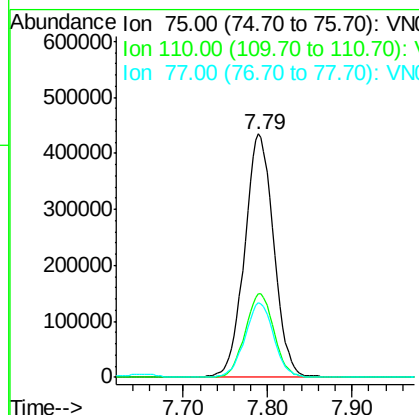
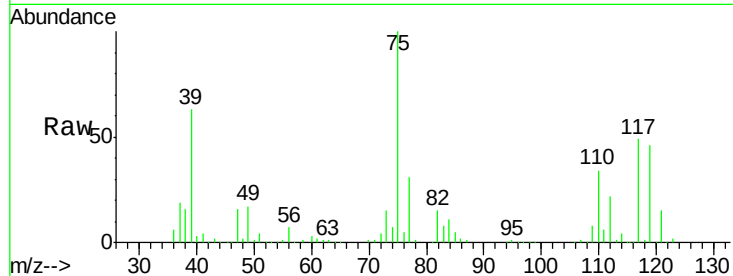
#29
 1,1-Dichloropropene
 Concen: 169.442 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
110	34.0	0.0	68.4
77	30.6	0.0	58.6

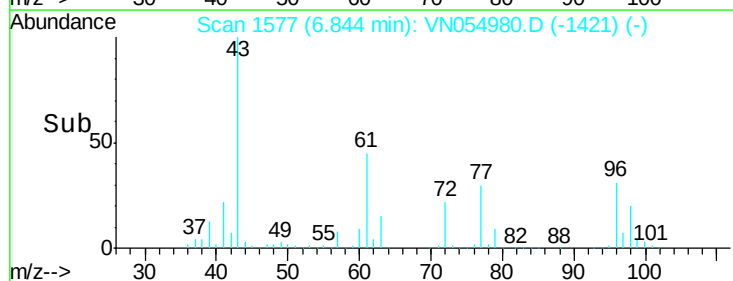
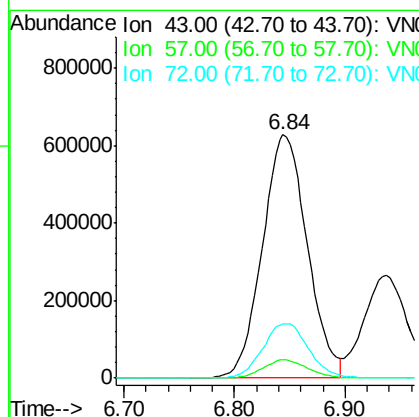
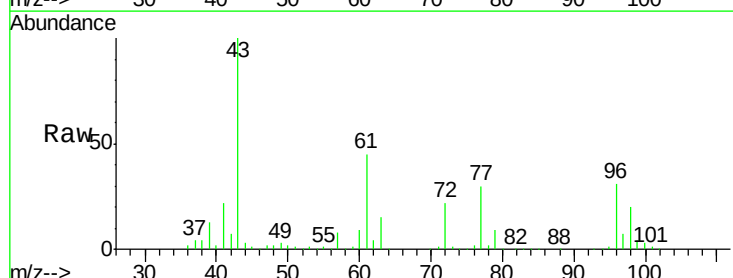
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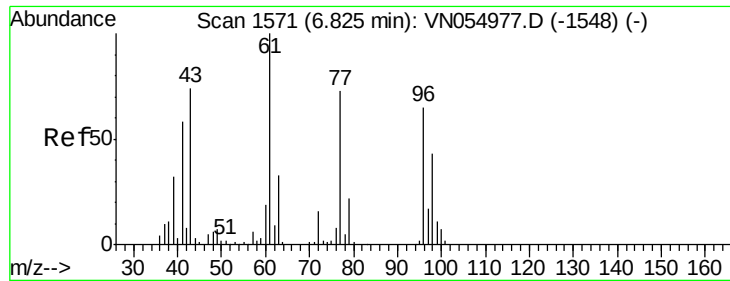
MMDadoda
 4/12/2019 1:41:23 PM



#30
 2-Butanone
 Concen: 909.958 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. 0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.6	6.0	9.0
72	23.1	18.6	27.8





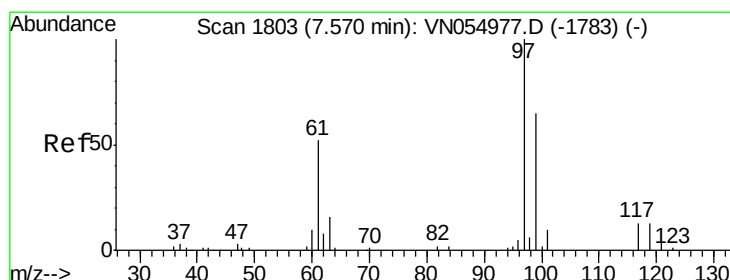
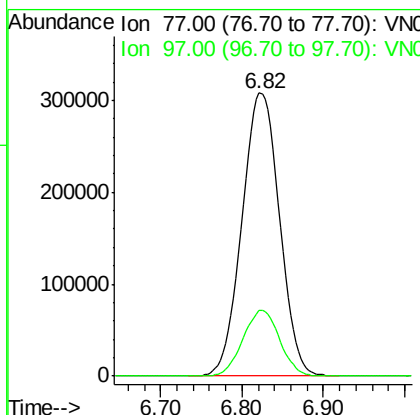
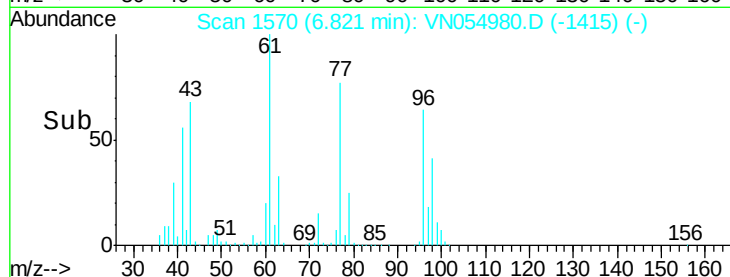
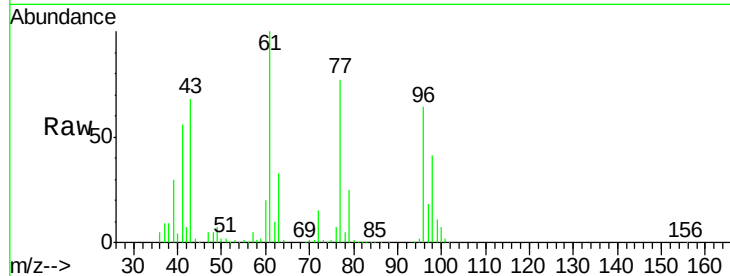
#31
 2,2-Dichloropropane
 Concen: 161.979 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 77 Resp: 979350
 Ion Ratio Lower Upper
 77 100
 97 22.8 0.0 0.0#

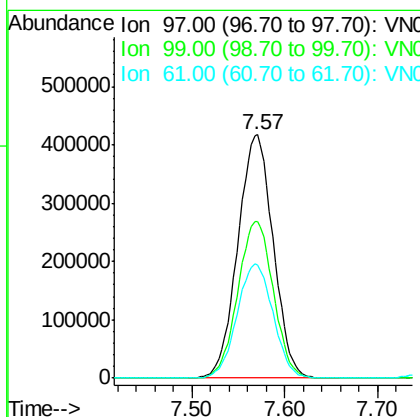
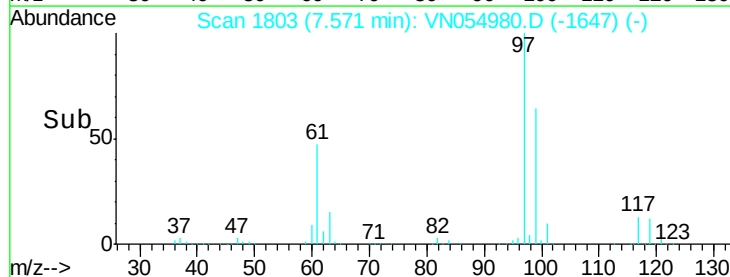
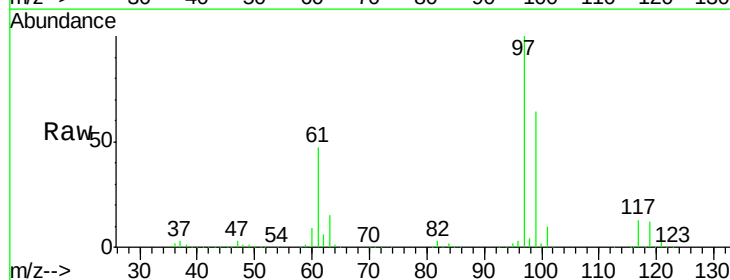
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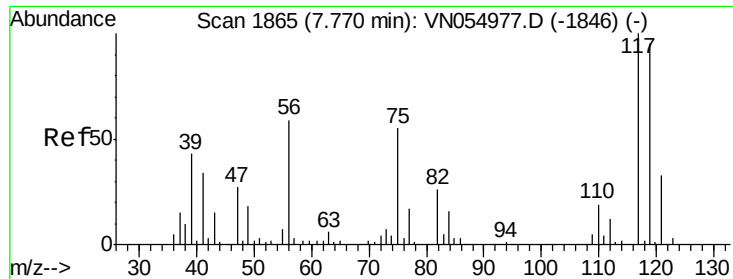
MMDadoda
 4/12/2019 1:41:23 PM



#32
 1,1,1-Trichloroethane
 Concen: 166.770 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

Tgt Ion: 97 Resp: 1104223
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.2 76.8
 61 47.8 40.6 60.8





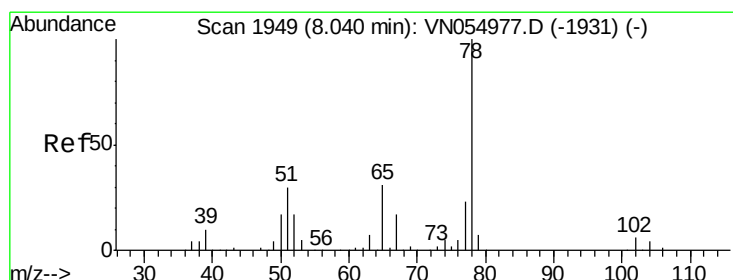
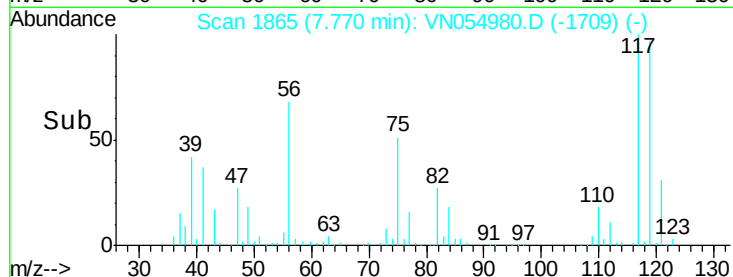
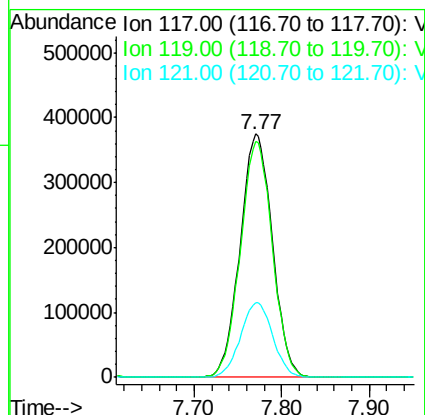
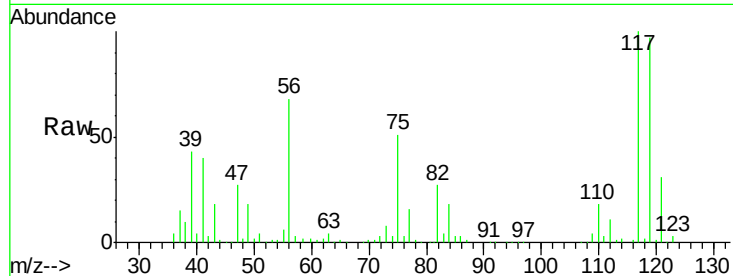
#33
Carbon Tetrachloride
Concen: 163.681 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.8	76.1	114.1
121	30.6	26.2	39.4

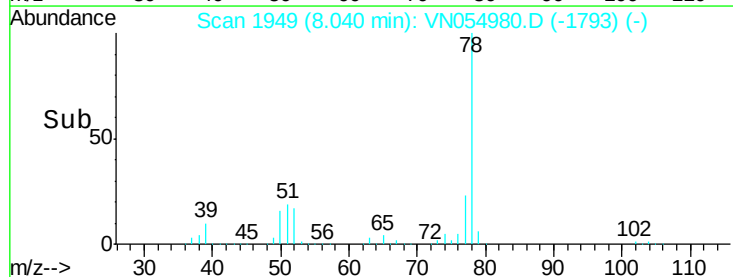
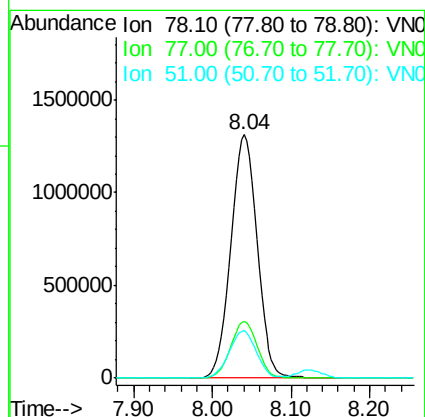
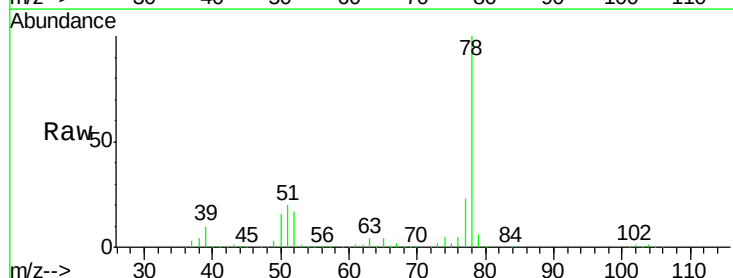
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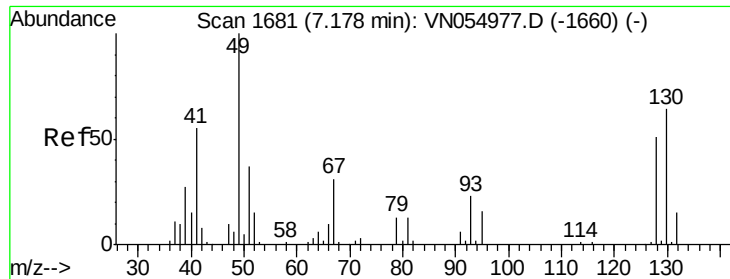
MMDadoda
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#34
Benzene
Concen: 166.634 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.2	27.4
51	19.5	23.7	35.5#





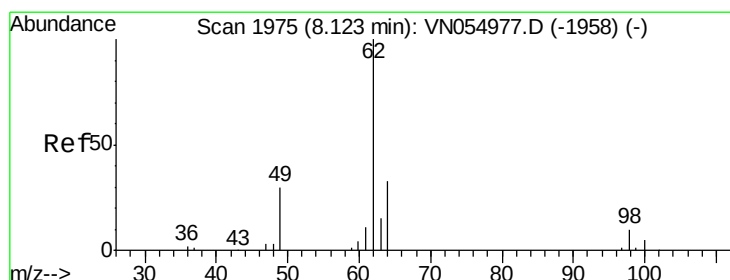
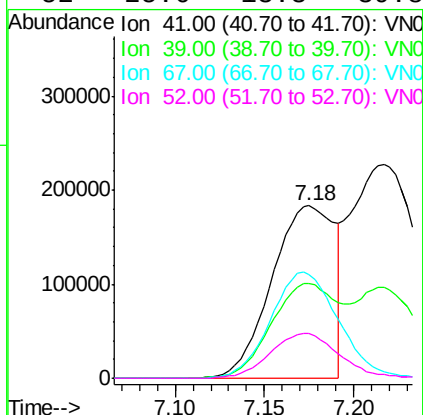
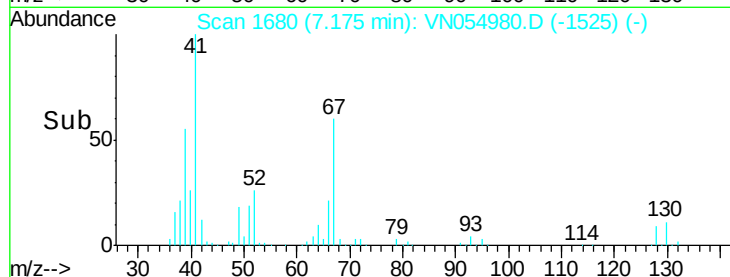
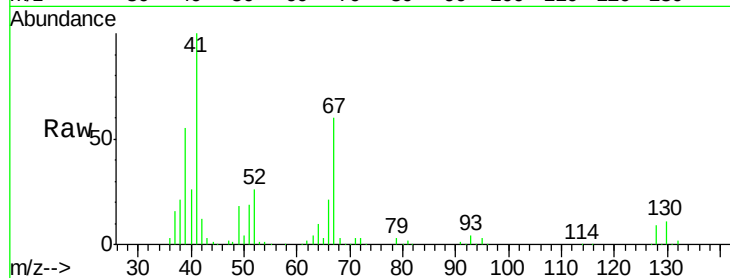
#35
Methacrylonitrile
Concen: 201.811 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.1	24.2	72.6	
67	60.5	28.1	84.2	
52	25.6	13.3	39.8	

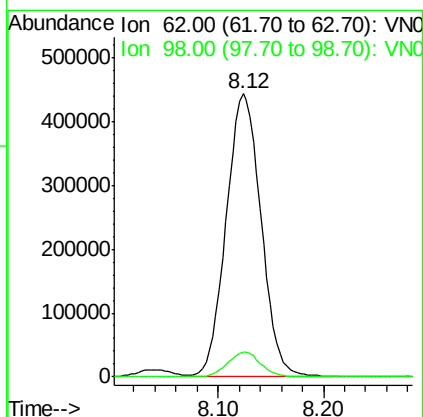
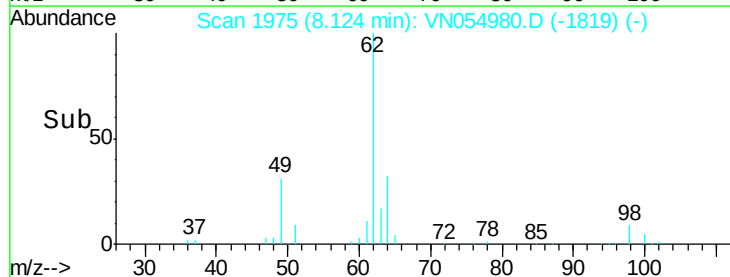
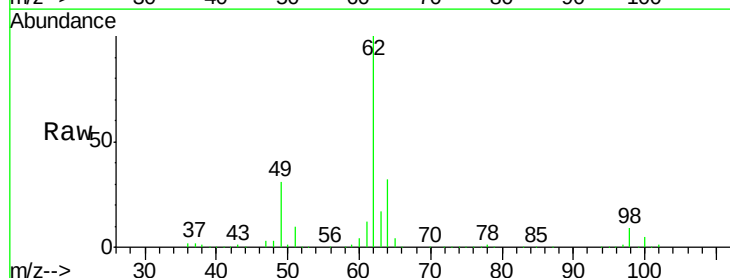
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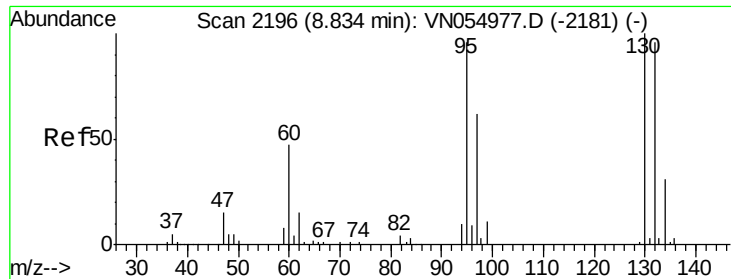
MMDadoda
4/12/2019 1:41:23 PM



#36
1,2-Dichloroethane
Concen: 170.459 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.4	6.9	10.3	





#37

Trichloroethene

Concen: 160.444 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:130 Resp: 768737

Ion Ratio Lower Upper

130 100

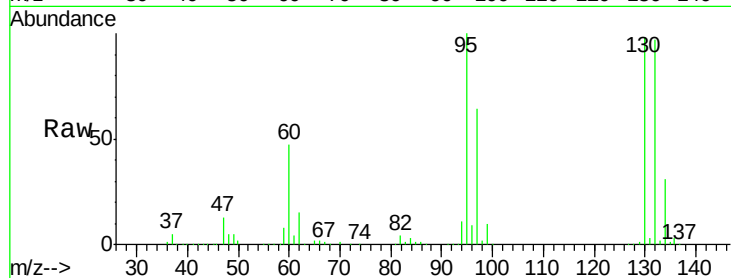
95 101.6 76.6 115.0

Manual Integrations

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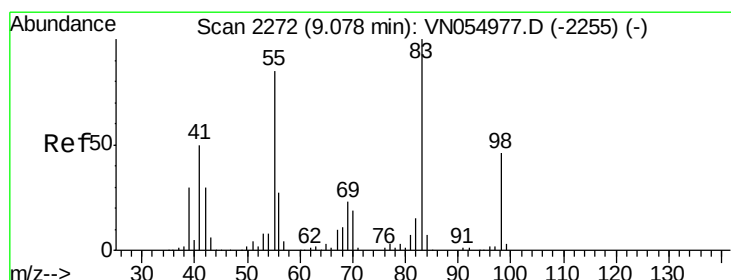
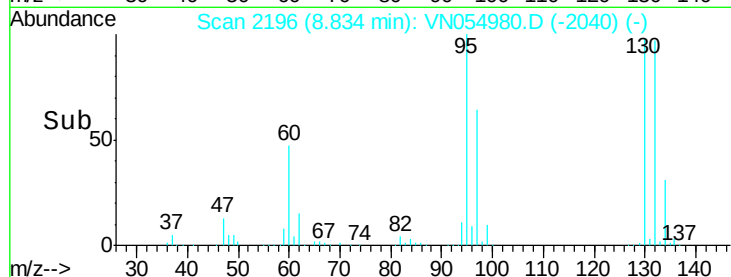
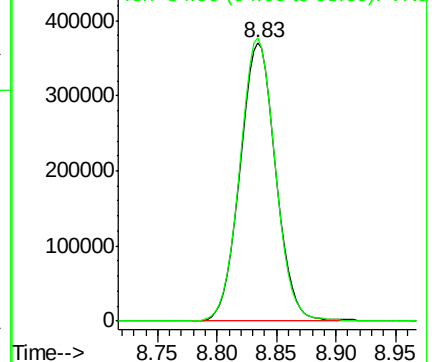
MMDadoda

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 164.429 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

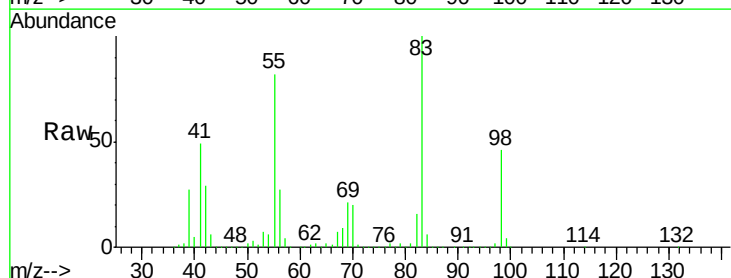
Tgt Ion: 83 Resp: 1193432

Ion Ratio Lower Upper

83 100

55 81.7 41.9 125.6

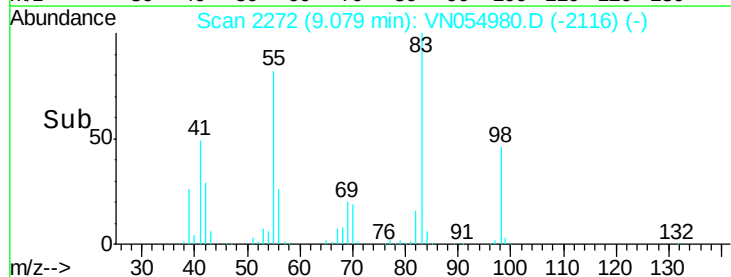
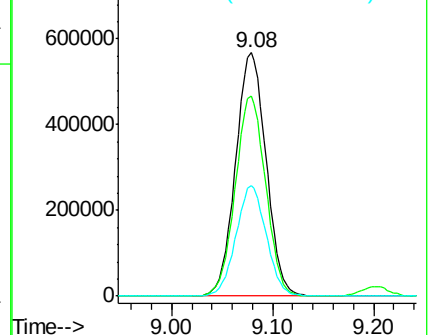
98 45.2 22.4 67.0

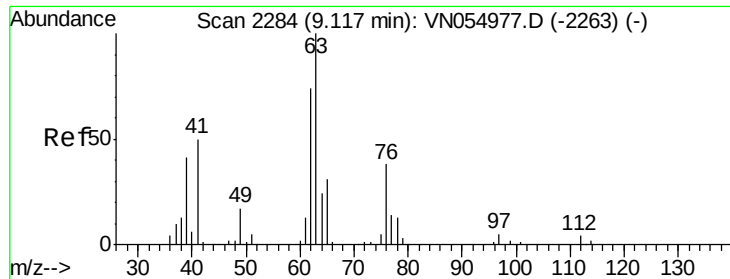


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN





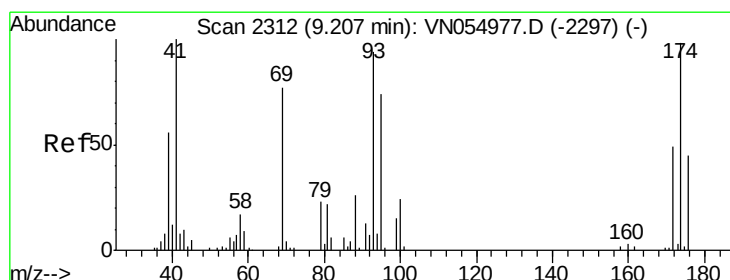
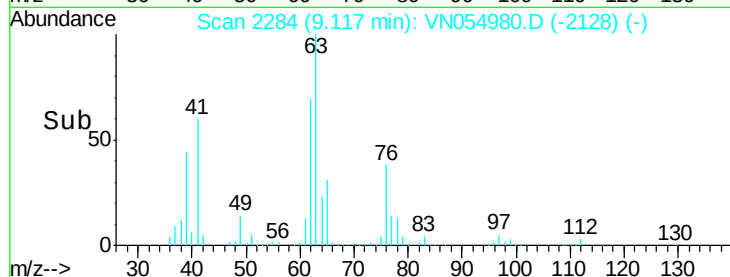
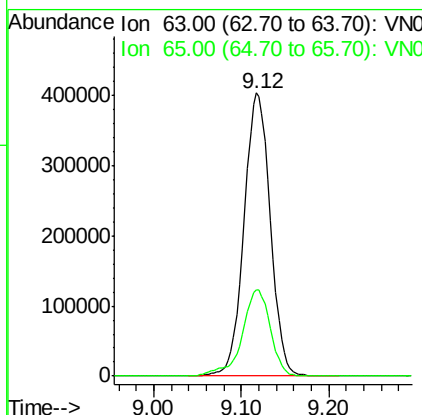
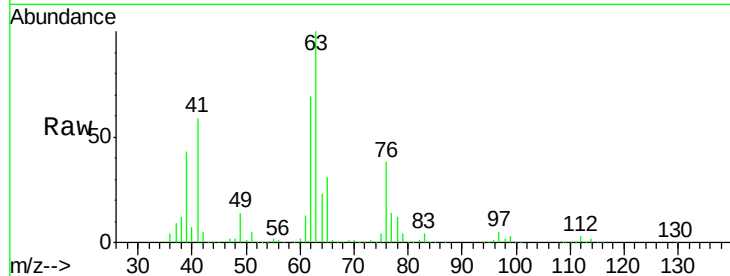
#39
 1,2-Dichloropropane
 Concen: 167.136 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 840981
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.8 37.2

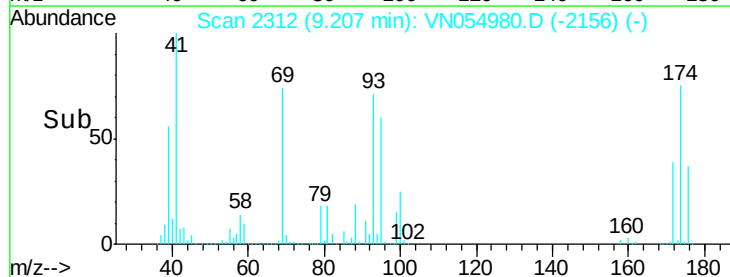
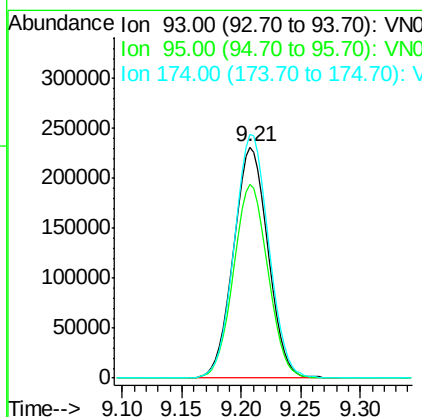
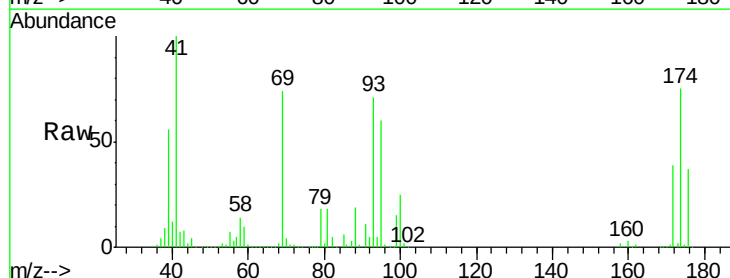
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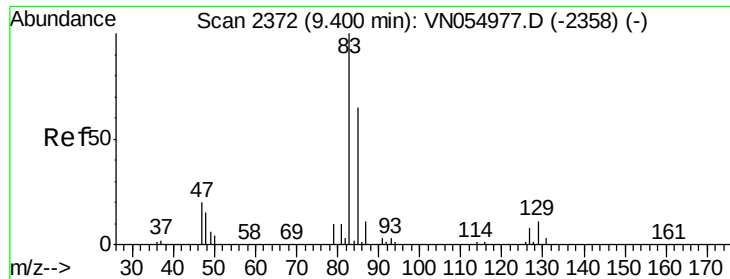
MMDadoda
 4/12/2019 1:41:23 PM



#40
 Dibromomethane
 Concen: 162.064 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

Tgt Ion: 93 Resp: 466093
 Ion Ratio Lower Upper
 93 100
 95 83.4 0.0 160.8
 174 105.4 0.0 206.4





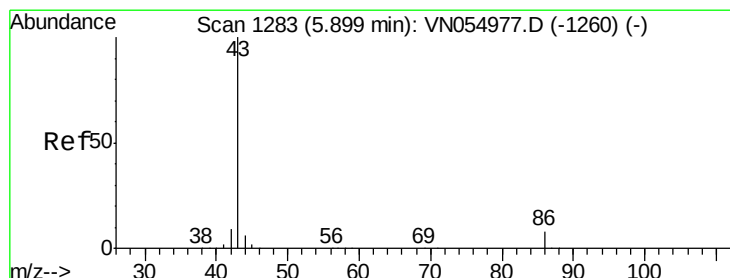
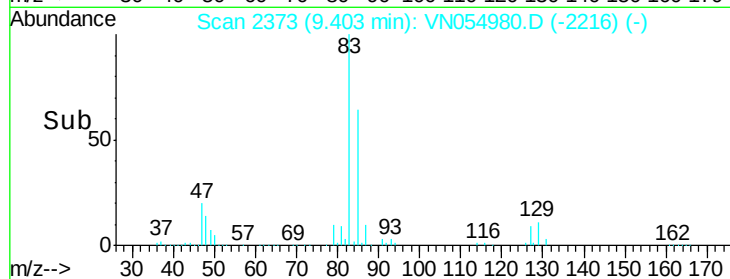
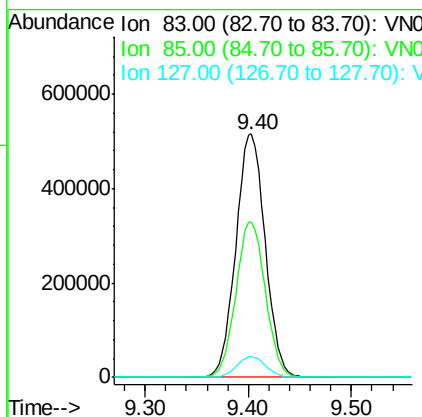
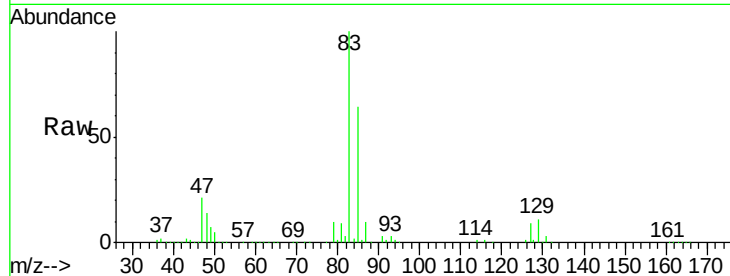
#41
Bromodichloromethane
Concen: 168.024 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 1020211
Ion Ratio Lower Upper
83 100
85 63.9 52.0 78.0
127 8.6 7.2 10.8

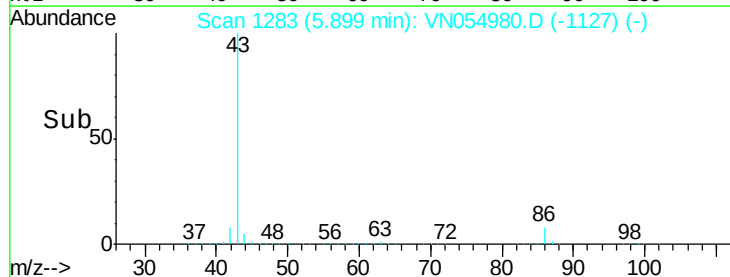
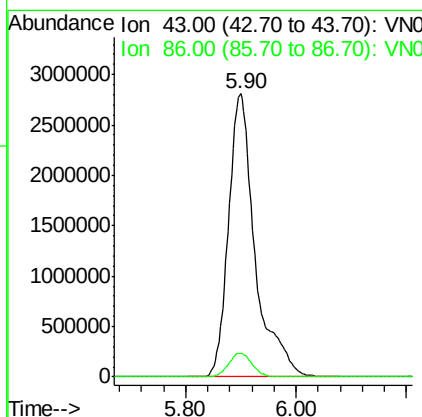
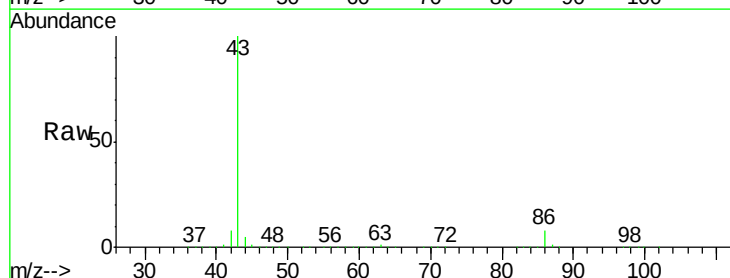
Manual Integrations
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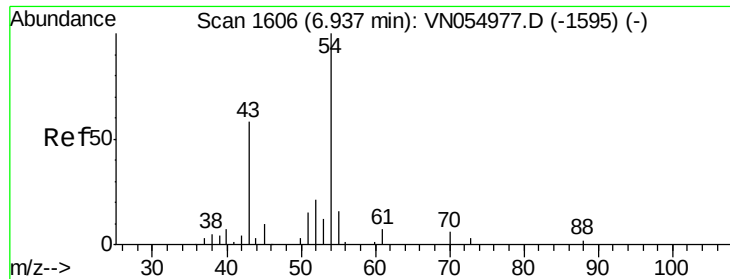
MMDadoda
4/12/2019 1:41:23 PM



#42
Vinyl Acetate
Concen: 946.753 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

Tgt Ion: 43 Resp: 9401582
Ion Ratio Lower Upper
43 100
86 7.4 5.7 8.5





#43

Ethyl Acetate

Concen: 180.924 ug/l

RT: 6.94 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 733213

Ion Ratio Lower Upper

43 100

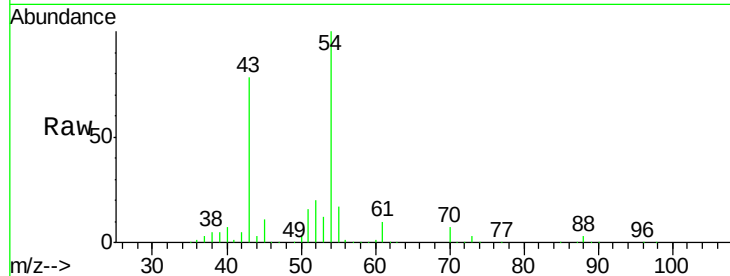
45 14.5 10.6 15.8

Manual Integrations

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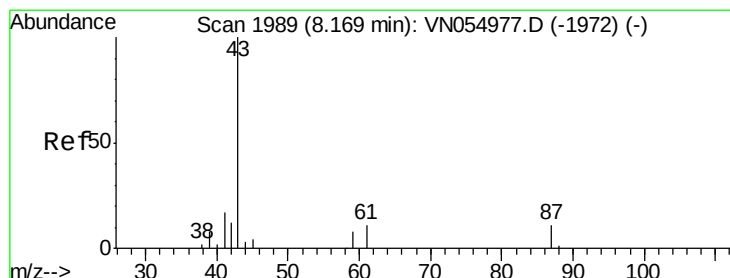
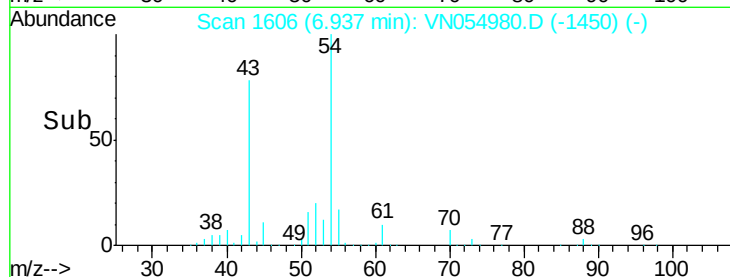
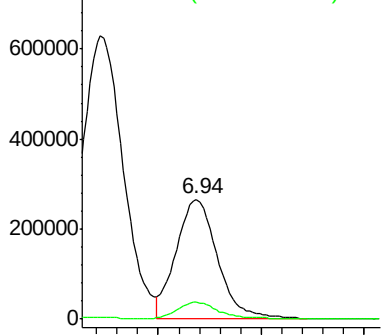
MMDadoda

4/12/2019 1:41:23 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 184.907 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054980.D

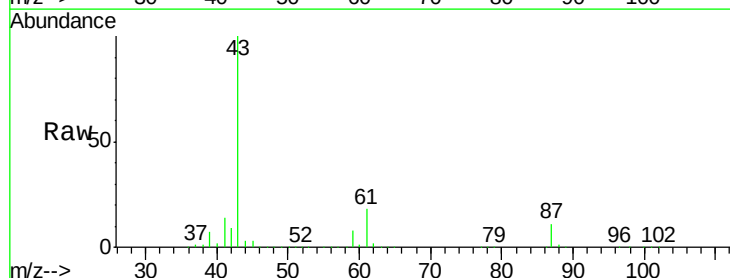
Acq: 11 Apr 2019 16:13

Tgt Ion: 43 Resp: 1306031

Ion Ratio Lower Upper

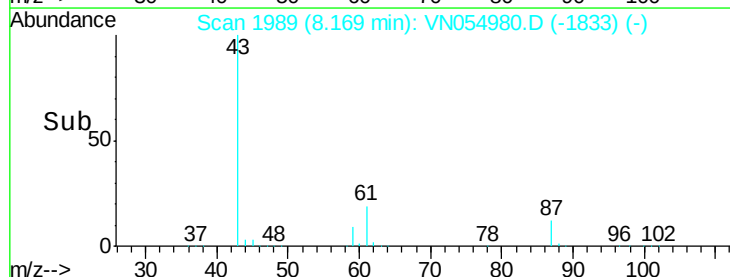
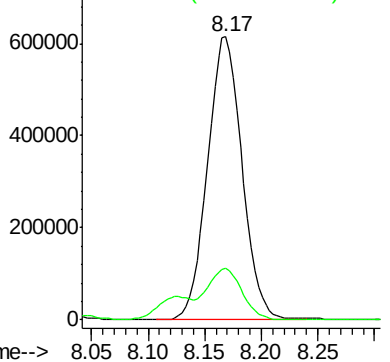
43 100

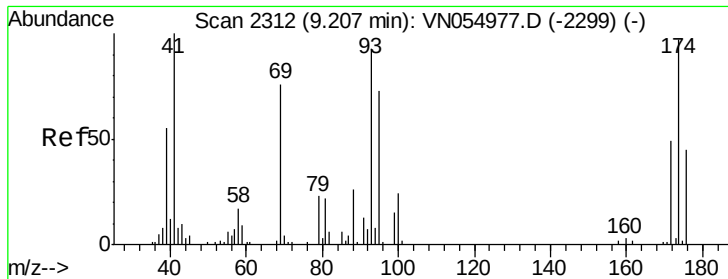
61 18.0 14.8 22.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





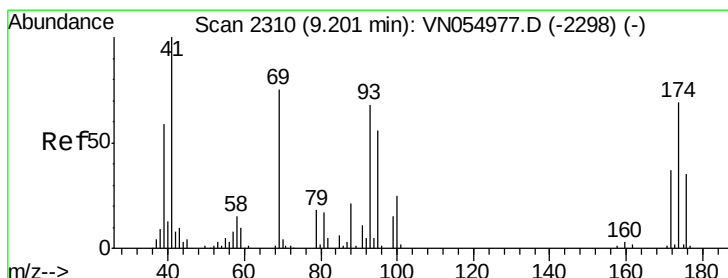
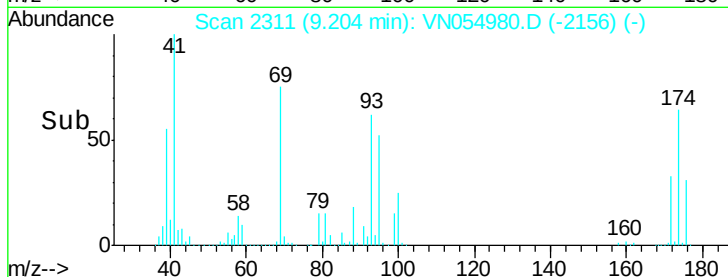
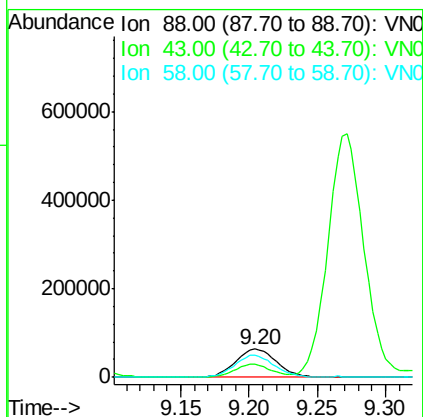
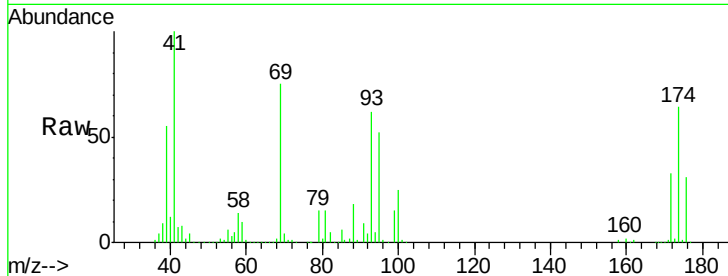
#45
 1,4-Dioxane
 Concen: 3573.323 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.8	34.5	51.7
58	75.5	60.3	90.5

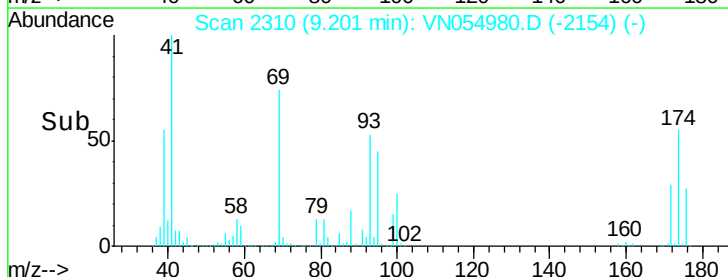
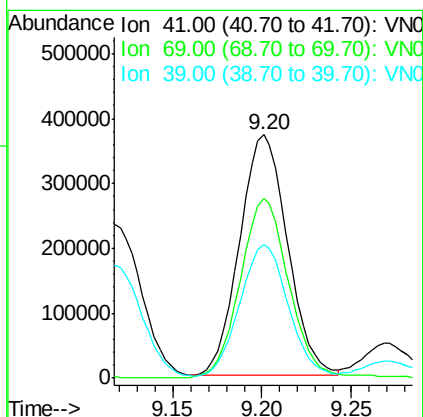
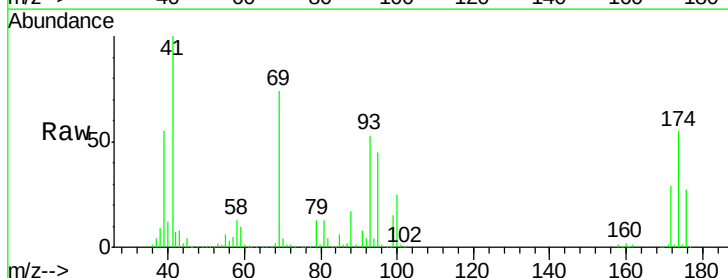
Manual Integrations
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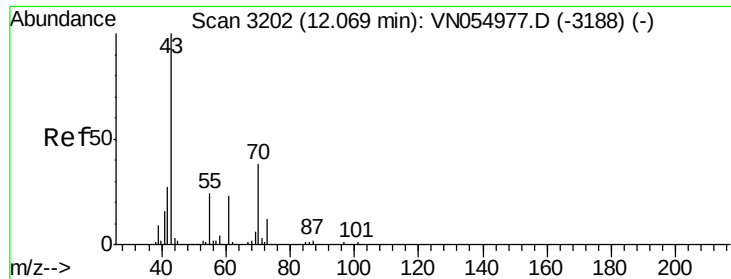
MMDadoda
 4/12/2019 1:41:23 PM



#46
 Methyl methacrylate
 Concen: 204.748 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

Tgt Ion	Ratio	Lower	Upper
41	100		
69	74.4	37.3	111.9
39	54.5	29.4	88.2





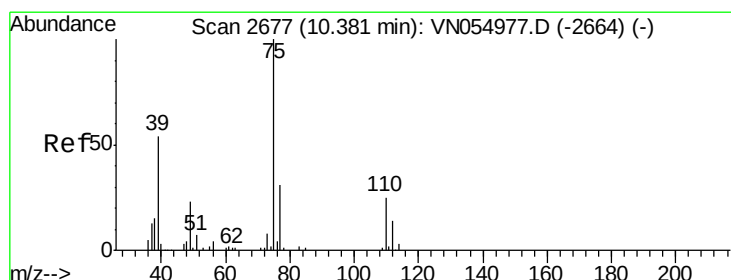
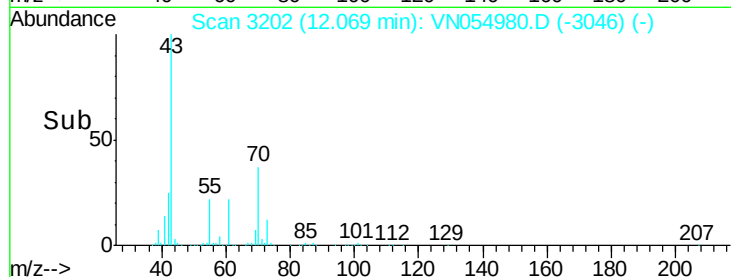
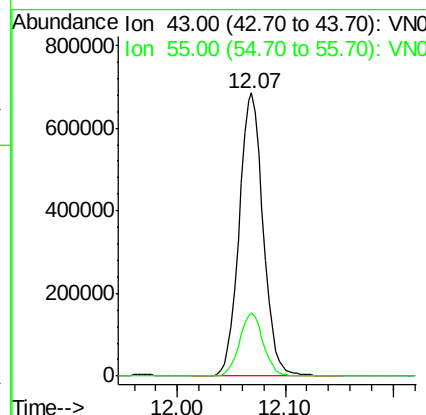
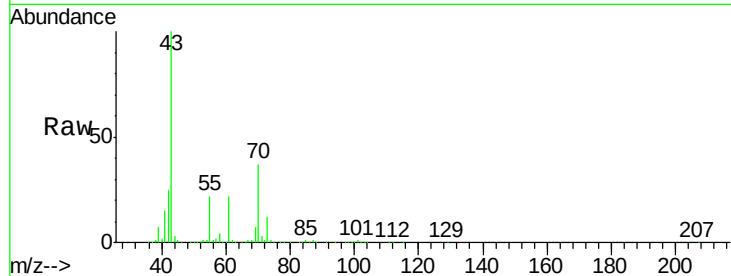
#47
n-amyl Acetate
Concen: 208.056 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tot Ion: 43 Resp: 1061308
Ion Ratio Lower Upper
43 100
55 22.4 19.8 29.6

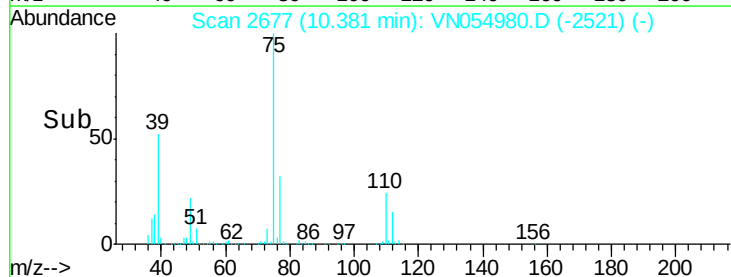
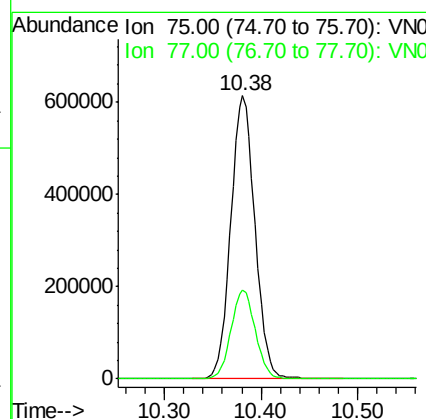
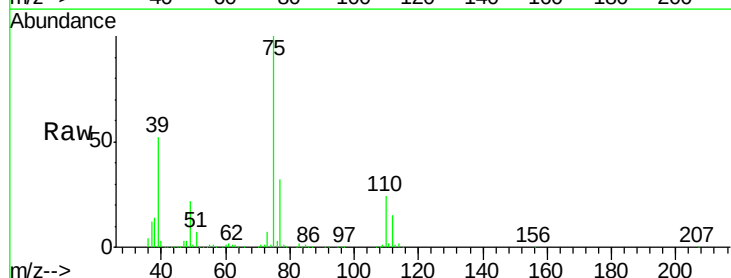
Manual Integrations
APPROVED

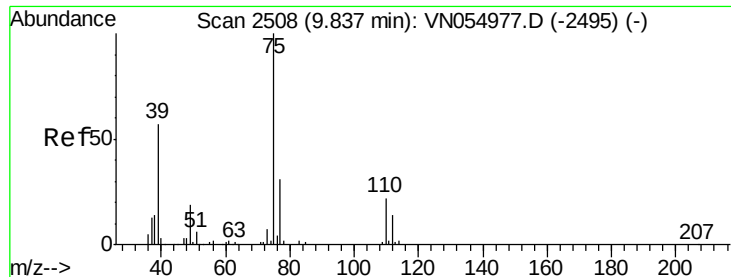
MMDadoda
4/12/2019 1:41:23 PM



#48
t-1,3-Dichloropropene
Concen: 178.440 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

Tgt Ion: 75 Resp: 1067500
Ion Ratio Lower Upper
75 100
77 31.4 24.6 37.0





#49

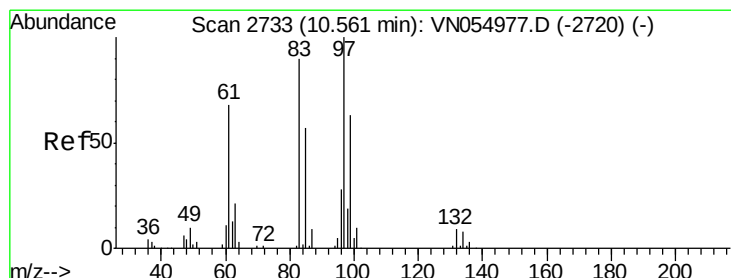
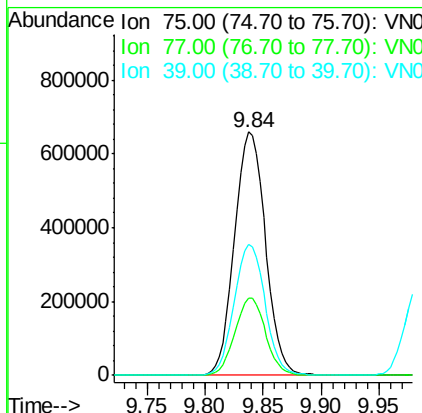
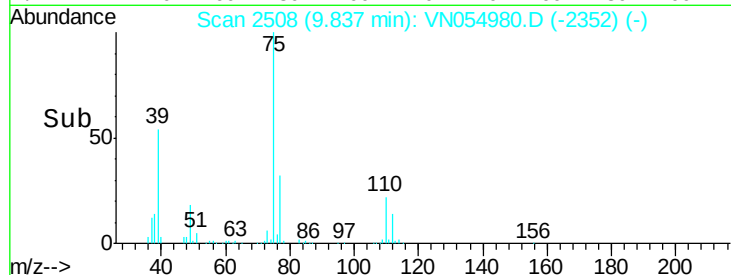
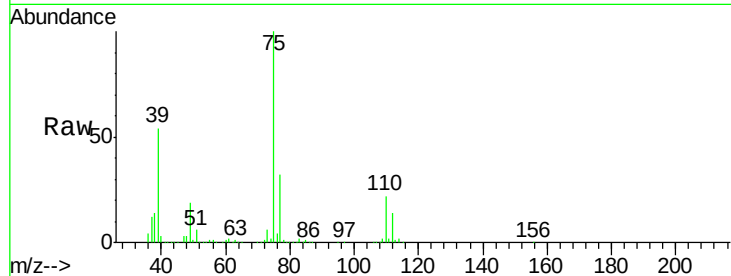
cis-1,3-Dichloropropene
Concen: 173.371 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.7	37.1
39	53.8	45.3	67.9

Manual Integrations
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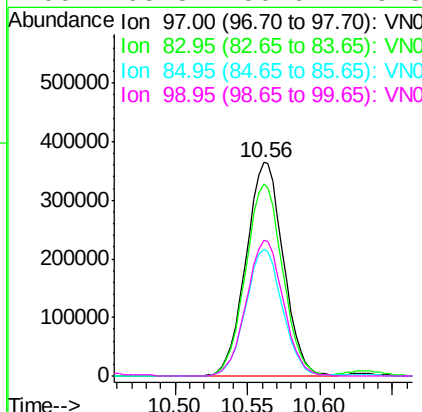
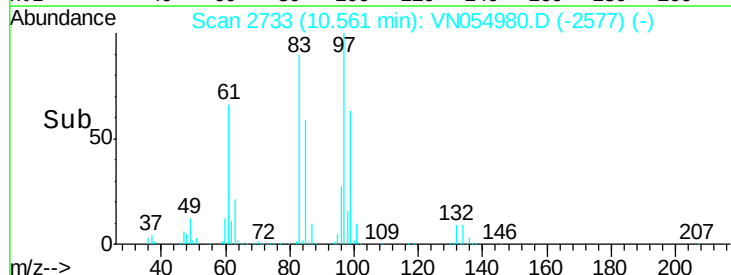
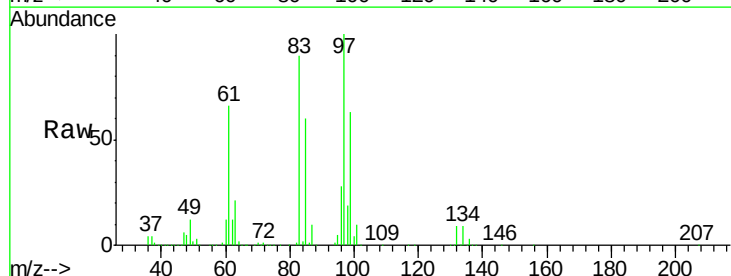
MMDadoda
4/12/2019 1:41:23 PM

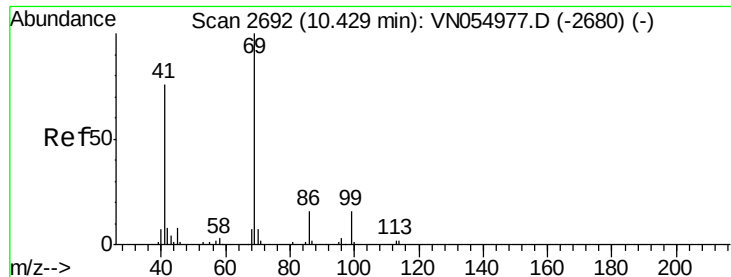


#50

1,1,2-Trichloroethane
Concen: 163.084 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.9	72.1	108.1
85	59.6	45.4	68.0
99	63.3	50.6	75.8





#51

Ethyl methacrylate

Concen: 189.733 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

Instrument :

MSVOA_N

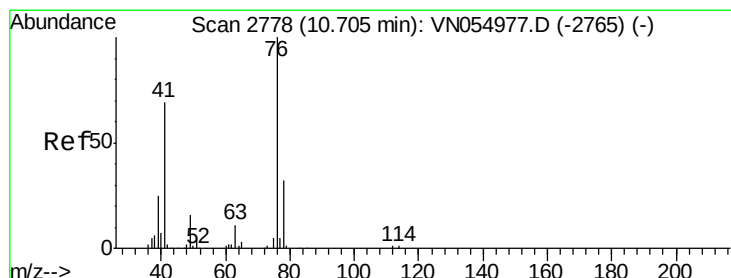
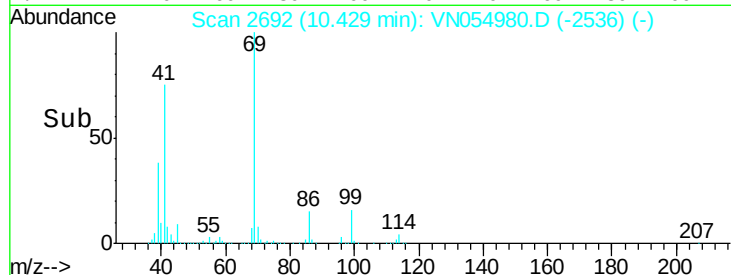
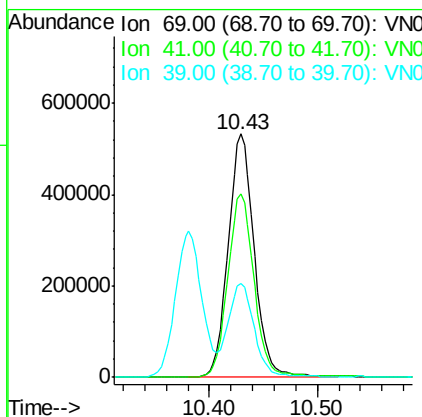
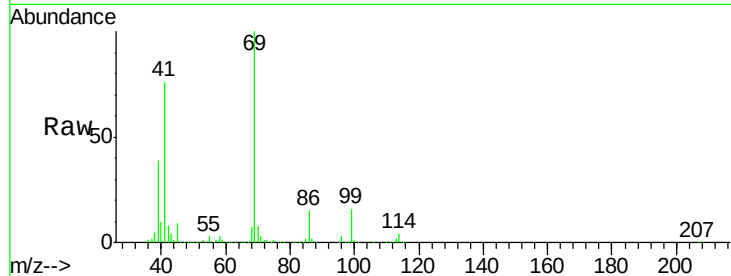
ClientSampleId :

VSTDIC150

Tot Ion:	69	Resp:	897365
Ion	Ratio	Lower	Upper
69	100		
41	75.3	37.9	113.7
39	38.4	19.8	59.4

Manual Integrations
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4/12/2019 1:41:23 PM



#52

1,3-Dichloropropane

Concen: 170.021 ug/l

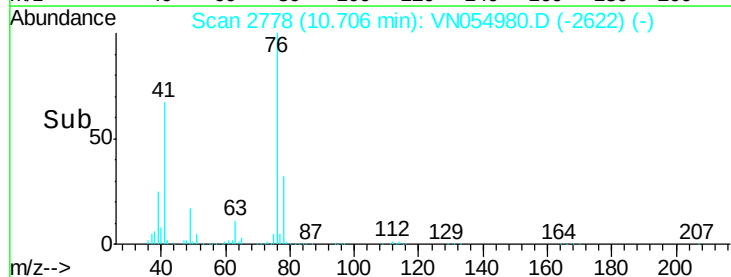
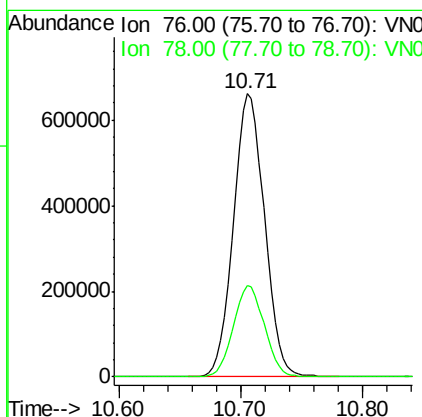
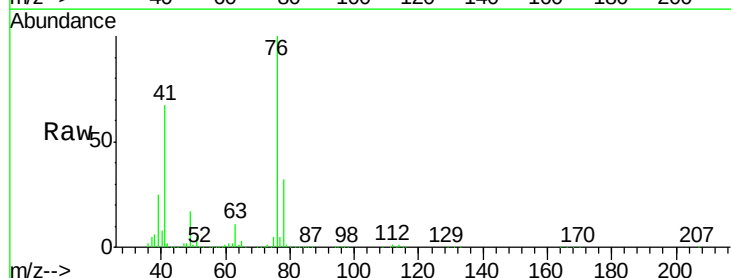
RT: 10.71 min Scan# 2778

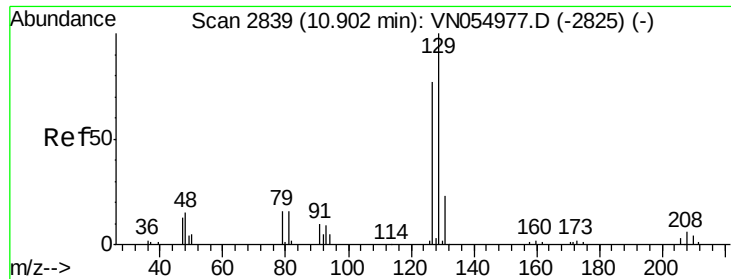
Delta R.T. 0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

Tgt Ion:	76	Resp:	1169582
Ion	Ratio	Lower	Upper
76	100		
78	32.3	0.0	64.4





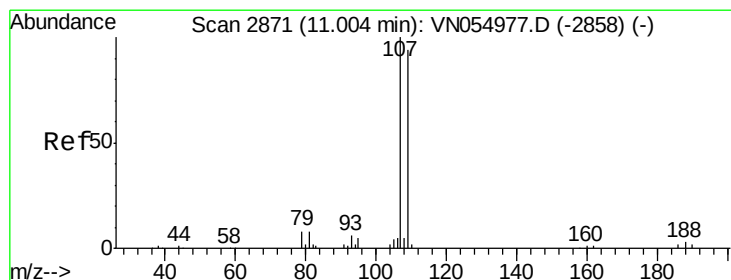
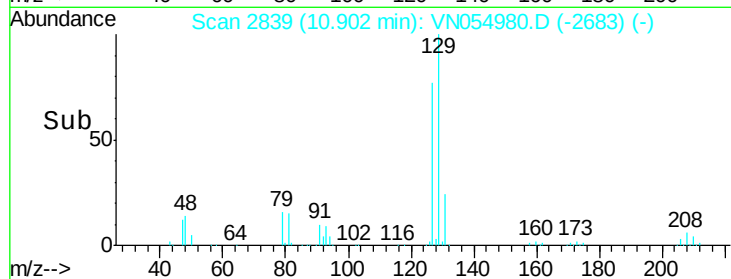
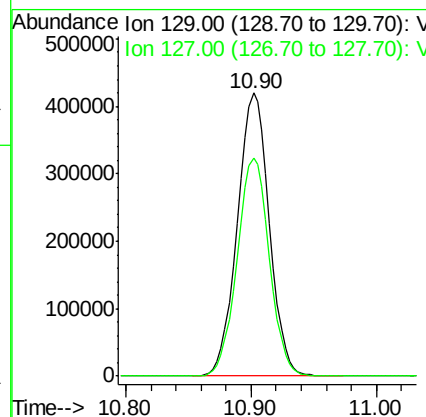
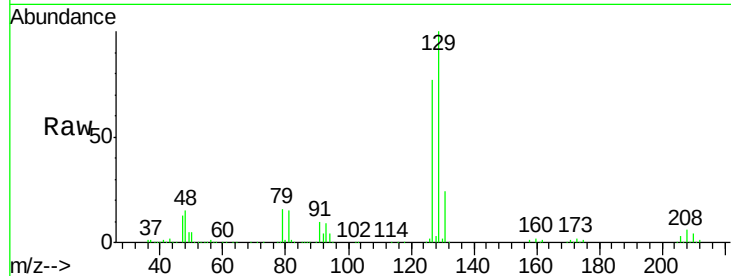
#53
 Dibromochloromethane
 Concen: 169.958 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		741268		
127	77.7	37.8	113.3		

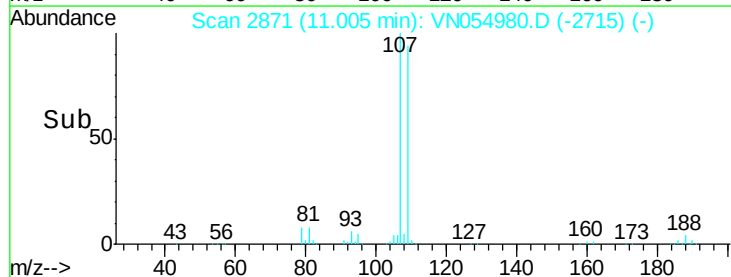
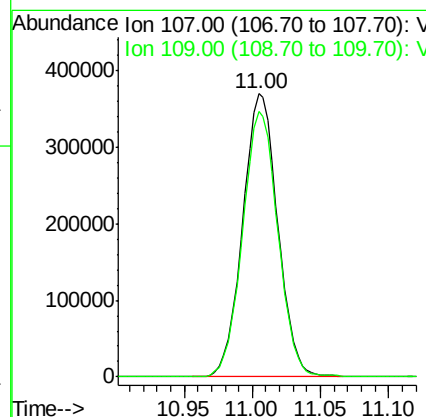
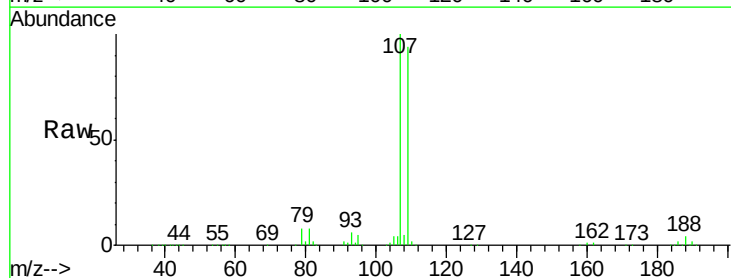
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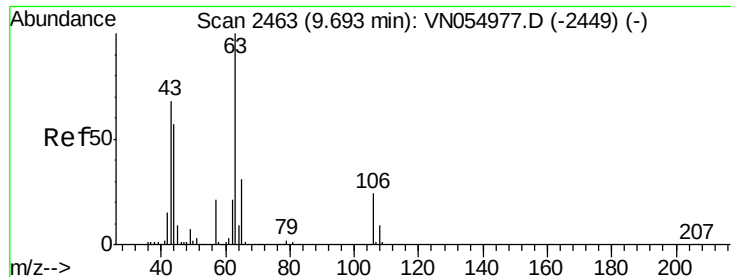
MMDadoda
 4/12/2019 1:41:23 PM



#54
 1,2-Dibromoethane
 Concen: 174.081 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		659035		
109	94.5	76.2	114.2		





#55

2-Chloroethyl vinyl ether

Concen: 861.744 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 1874208

Ion Ratio Lower Upper

63 100

65 32.1 25.4 38.0

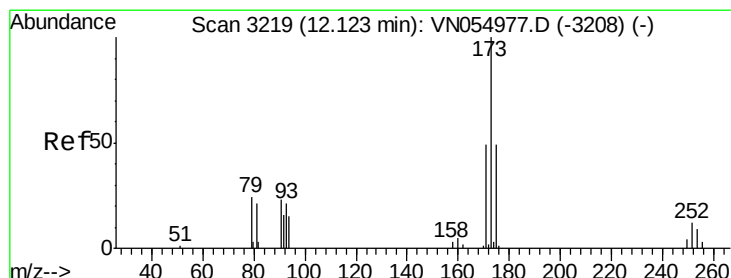
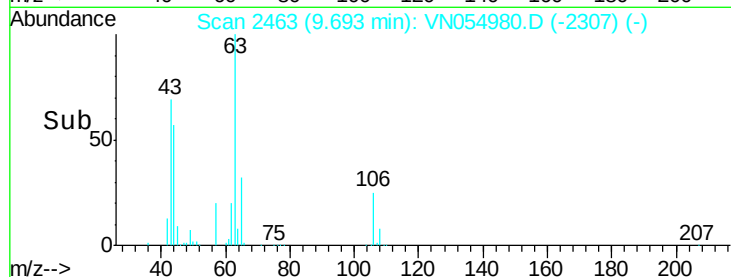
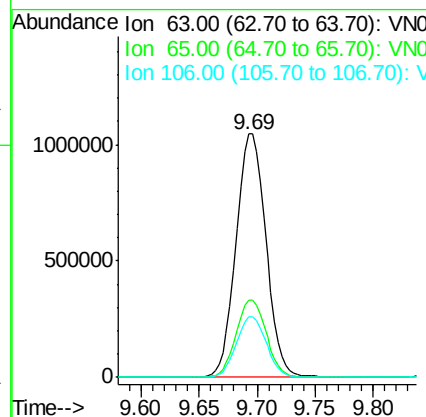
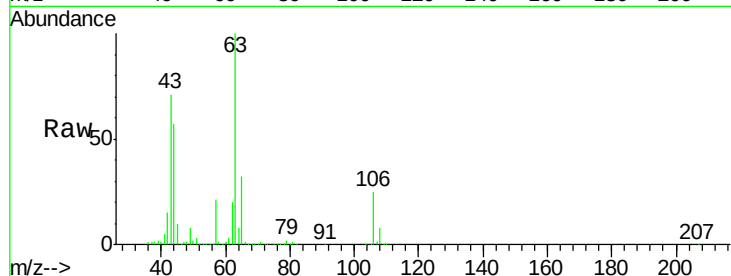
106 24.8 19.8 29.6

Manual Integrations

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#56

Bromoform

Concen: 170.222 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

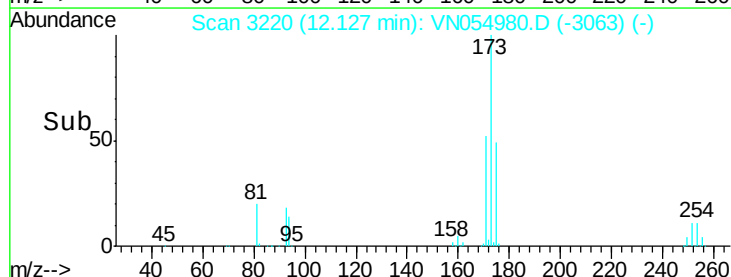
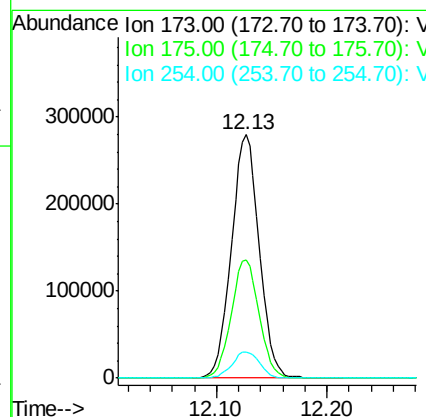
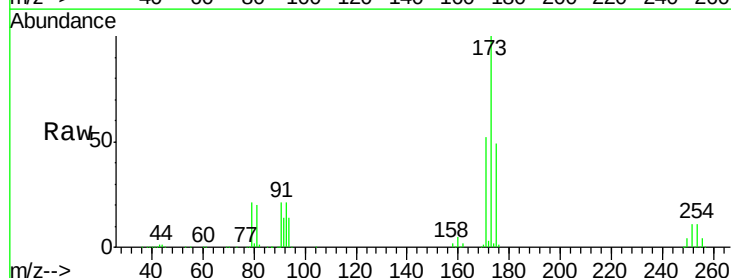
Tgt Ion: 173 Resp: 487929

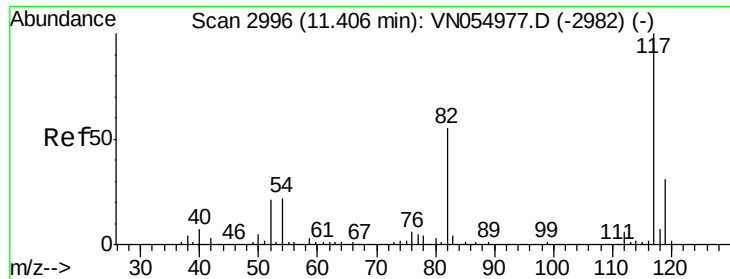
Ion Ratio Lower Upper

173 100

175 48.6 38.6 57.8

254 10.7 6.8 10.2#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

Instrument :

MSVOA_N

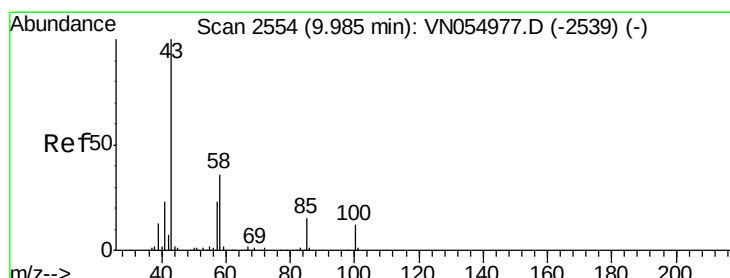
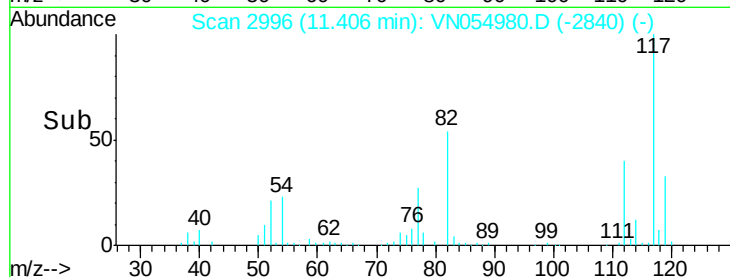
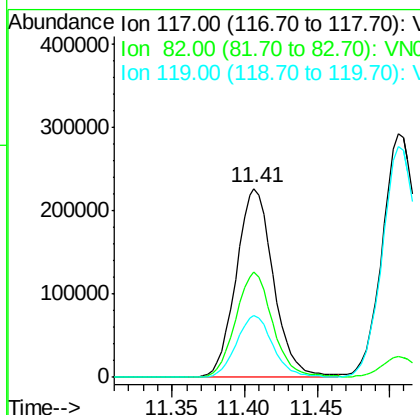
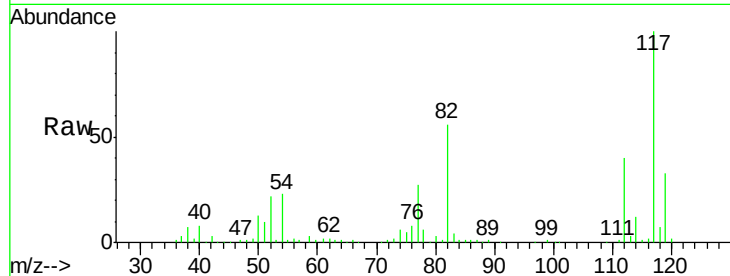
ClientSampleId :

VSTDIC150

Tot Ion:	117	Resp:	405985
Ion	Ratio	Lower	Upper
117	100		
82	55.3	45.2	67.8
119	32.0	25.4	38.2

Manual Integrations
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4/12/2019 1:41:23 PM



#58

4-Methyl-2-Pentanone

Concen: 925.766 ug/l

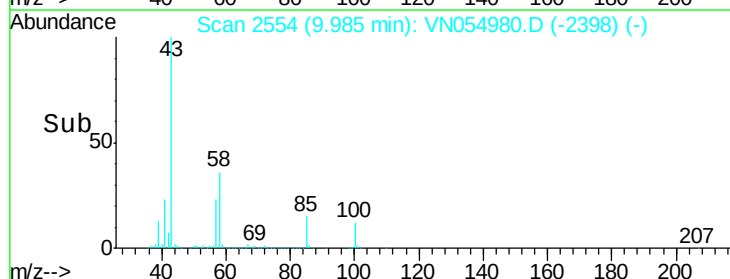
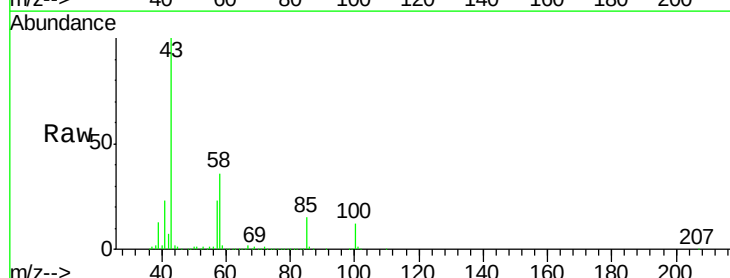
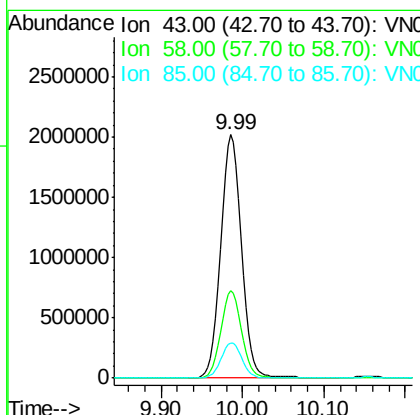
RT: 9.99 min Scan# 2554

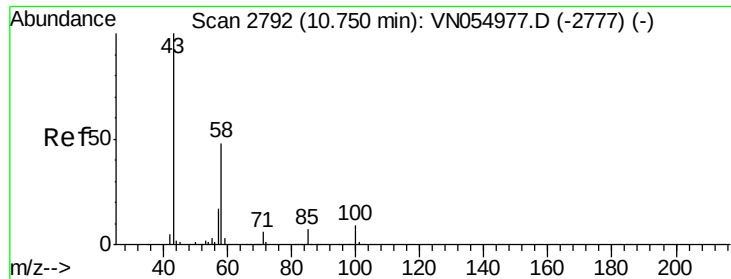
Delta R.T. 0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

Tgt Ion:	43	Resp:	3664712
Ion	Ratio	Lower	Upper
43	100		
58	35.7	28.7	43.1
85	14.7	11.8	17.6





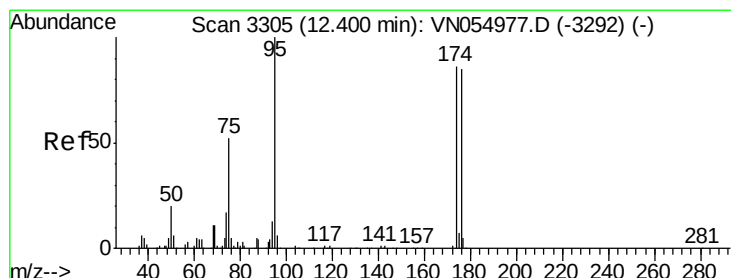
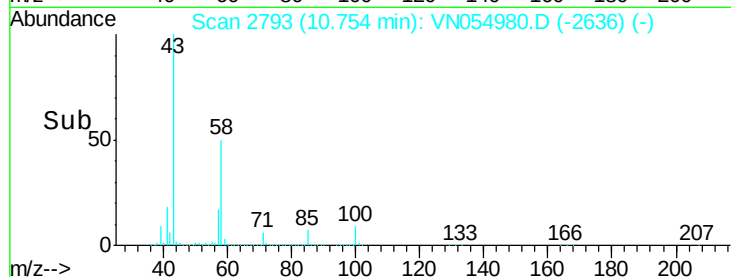
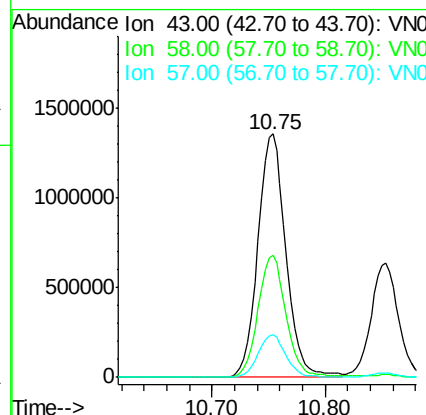
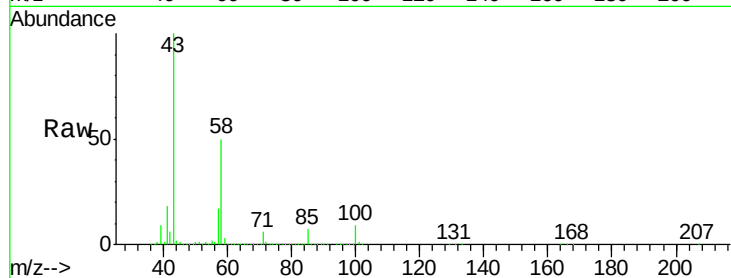
#59
2-Hexanone
Concen: 899.970 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2328422
Ion Ratio Lower Upper
43 100
58 50.3 38.8 58.2
57 17.4 13.8 20.6

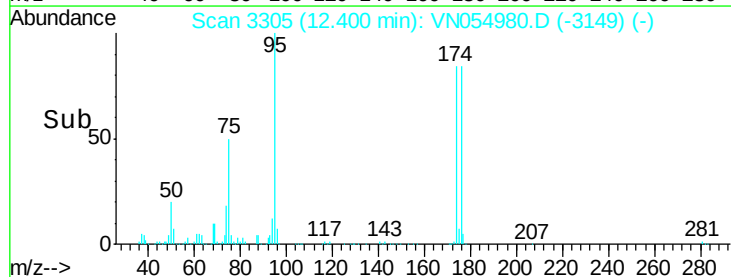
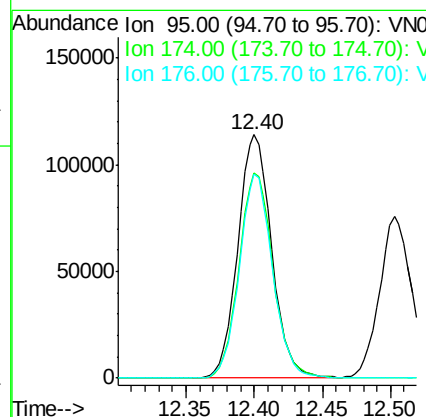
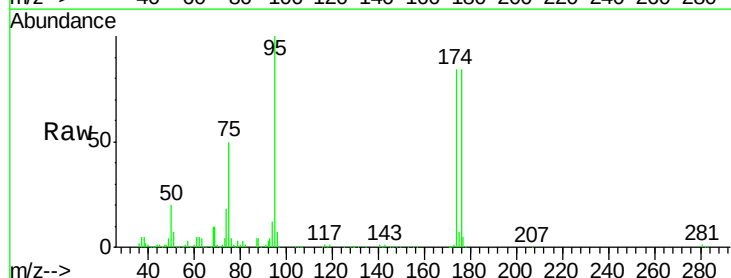
Manual Integrations
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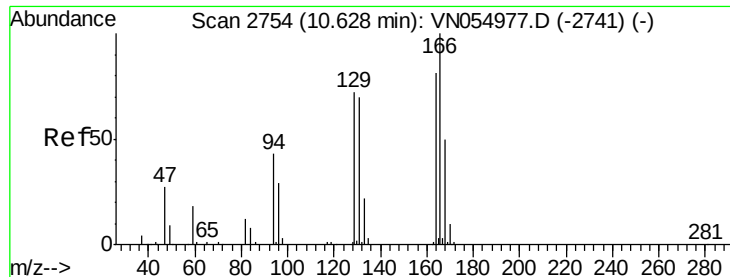
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 899.970 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

Tgt Ion: 95 Resp: 196220
Ion Ratio Lower Upper
95 100
174 85.1 69.4 104.2
176 82.5 67.4 101.2





#61

Tetrachloroethene

Concen: 145.396 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:164 Resp: 724976

Ion Ratio Lower Upper

164 100

166 129.2 99.0 148.4

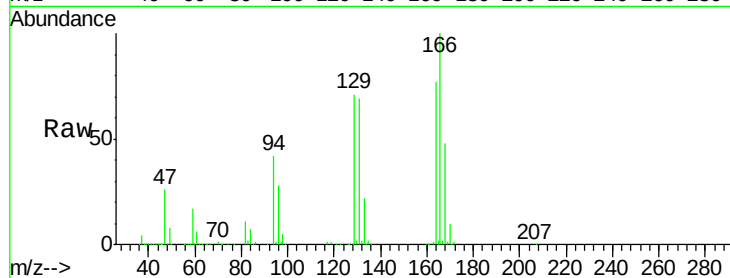
129 91.6 71.4 107.0

131 88.5 68.8 103.2

Manual Integrations
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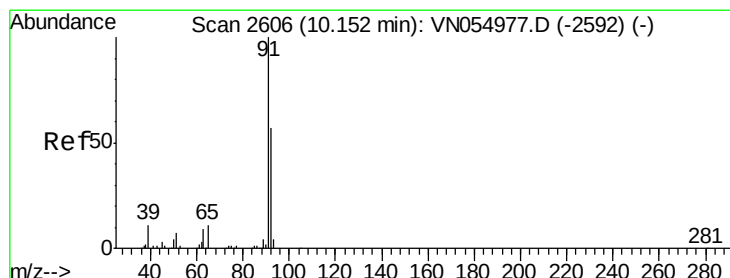
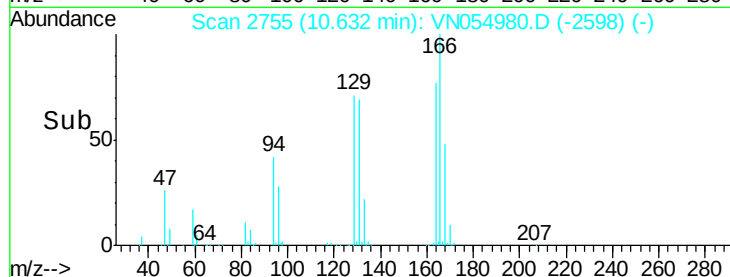
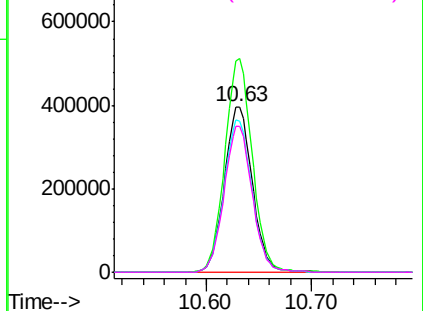


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 162.021 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054980.D

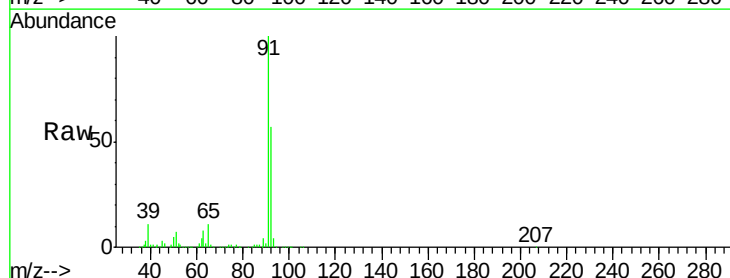
Acq: 11 Apr 2019 16:13

Tgt Ion: 91 Resp: 3226621

Ion Ratio Lower Upper

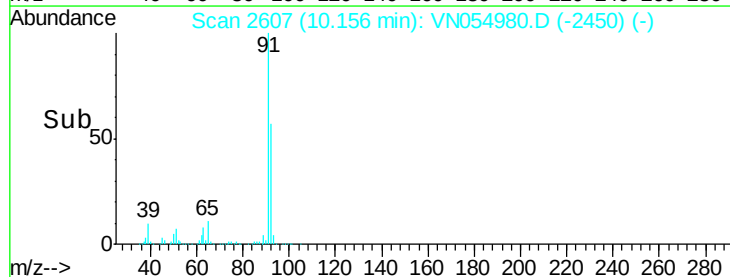
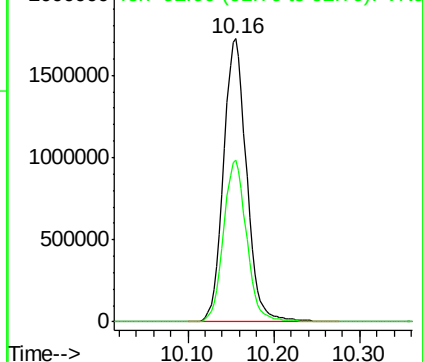
91 100

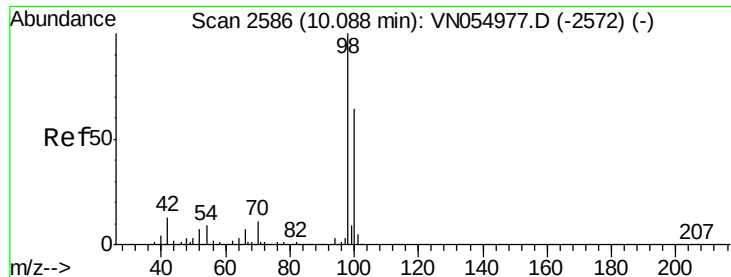
92 57.2 44.8 67.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 162.021 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 98 Resp: 559080

Ion Ratio Lower Upper

98 100

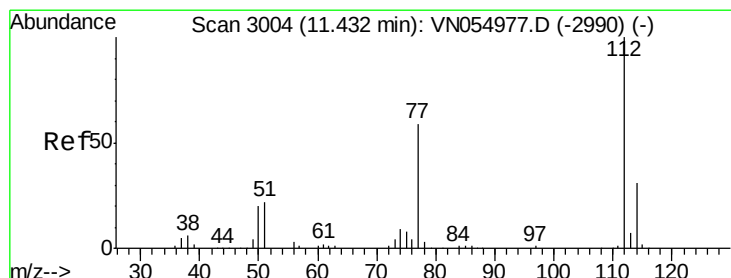
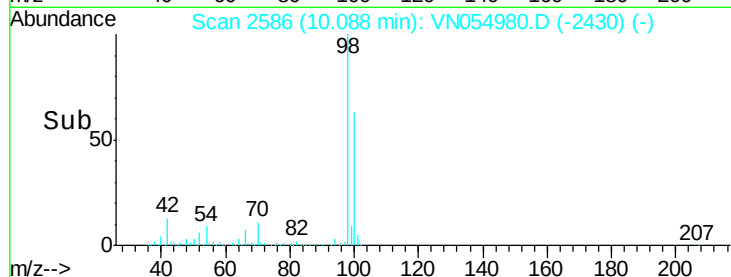
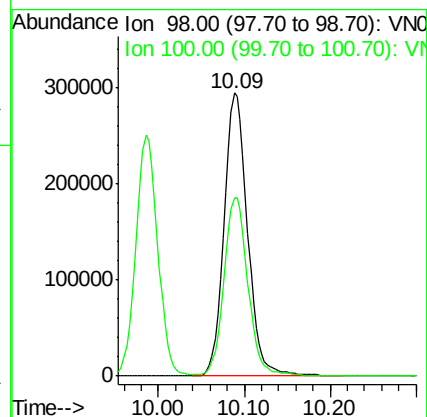
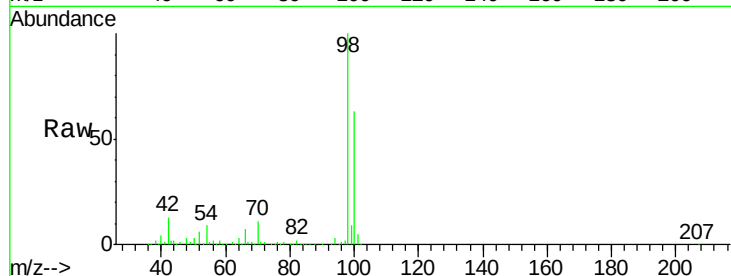
100 64.1 51.1 76.7

Manual Integrations

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#64

Chlorobenzene

Concen: 165.684 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054980.D

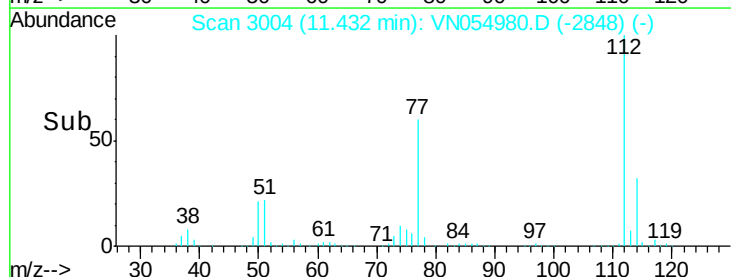
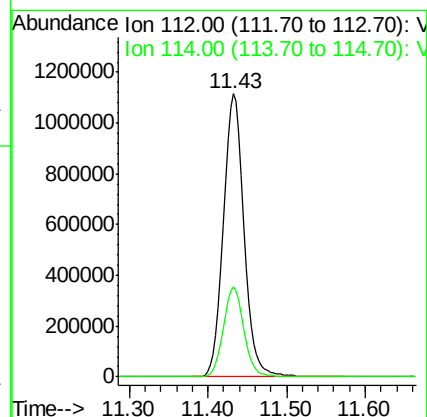
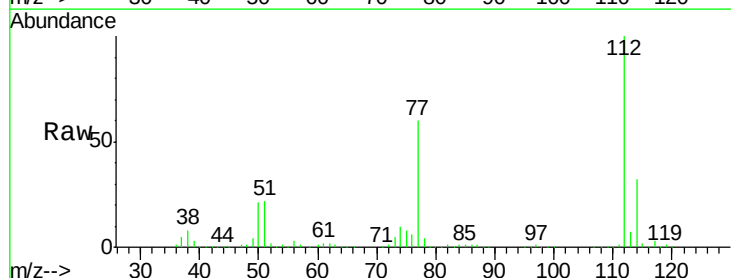
Acq: 11 Apr 2019 16:13

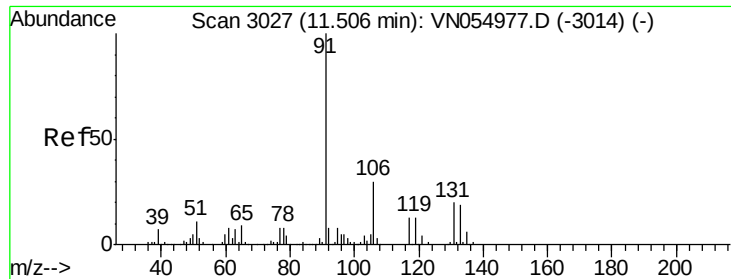
Tgt Ion: 112 Resp: 2013086

Ion Ratio Lower Upper

112 100

114 31.8 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 165.377 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

Instrument :

MSVOA_N

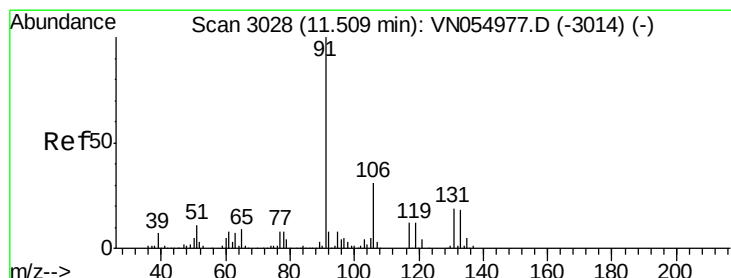
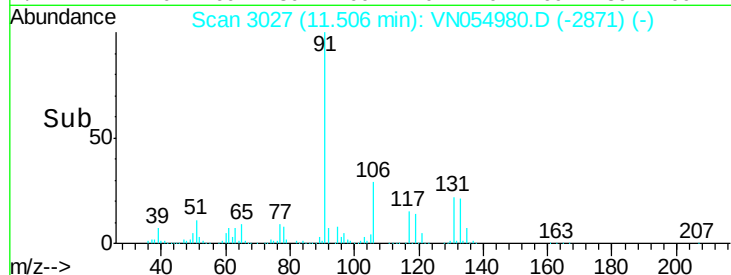
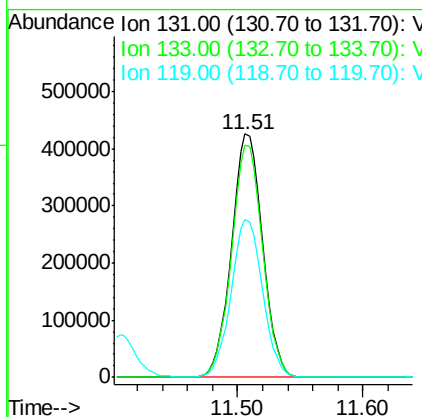
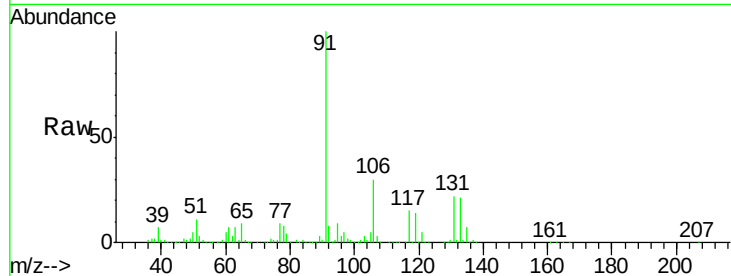
ClientSampled :

VSTDIC150

Tot Ion:	131	Resp:	733450
Ion Ratio	Lower	Upper	
131	100		
133	95.4	0.0	187.8
119	65.4	0.0	131.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 171.602 ug/l

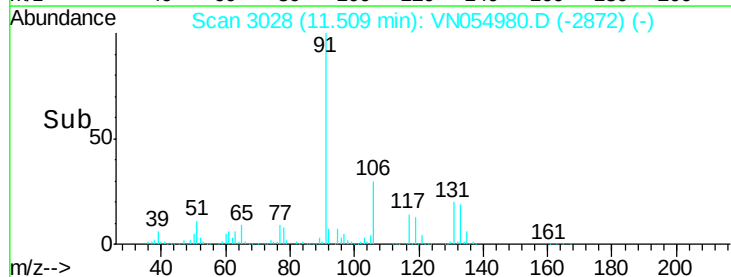
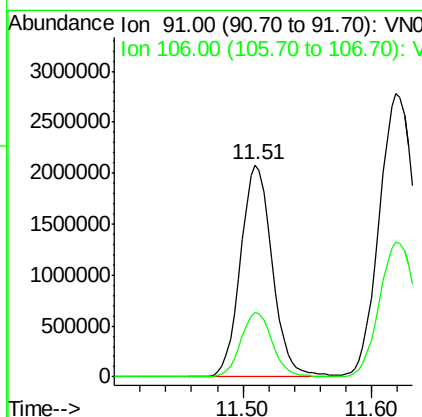
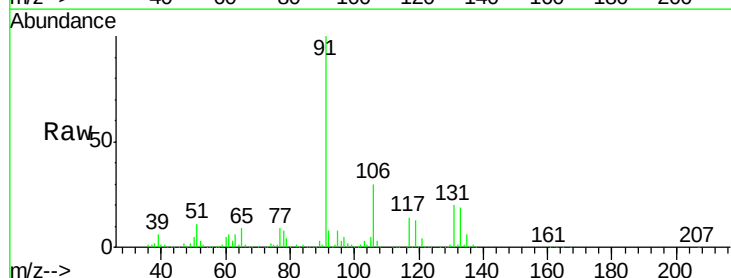
RT: 11.51 min Scan# 3028

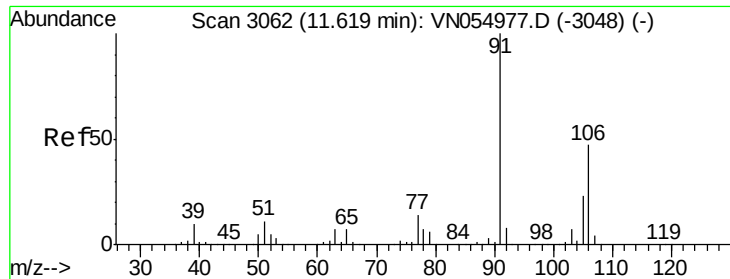
Delta R.T. 0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

Tgt Ion:	91	Resp:	3571602
Ion Ratio	Lower	Upper	
91	100		
106	30.2	24.6	36.8





#67

m/p-Xylenes

Concen: 340.524 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:106 Resp: 2656104

Ion Ratio Lower Upper

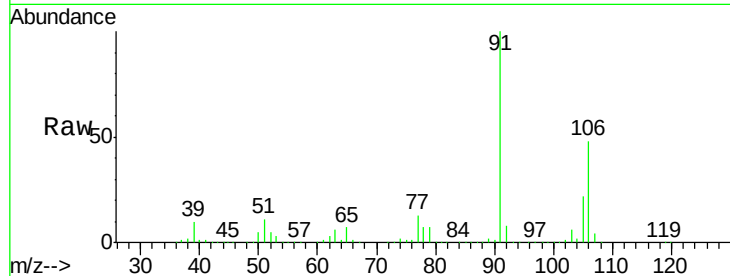
106 100

91 208.8 167.4 251.2

Manual Integrations
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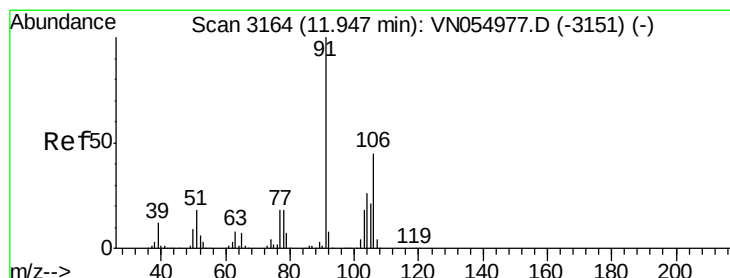
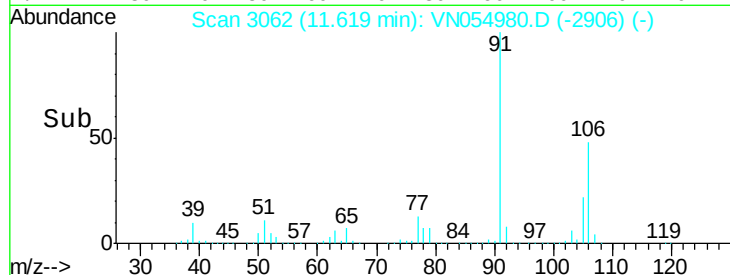
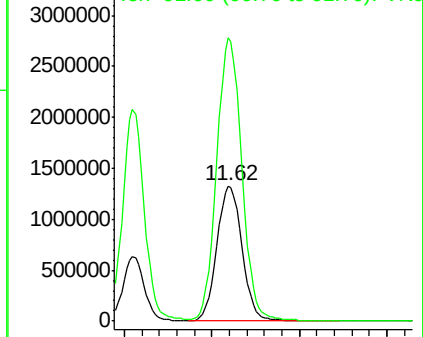
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 170.774 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN054980.D

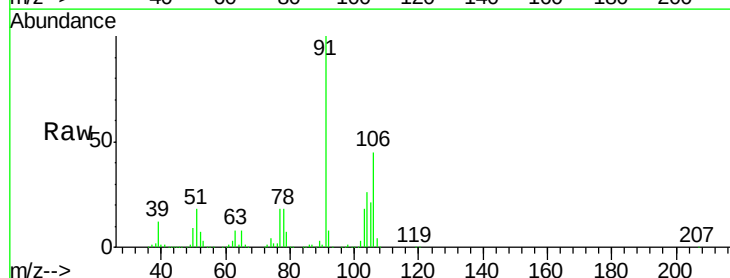
Acq: 11 Apr 2019 16:13

Tgt Ion:106 Resp: 1296254

Ion Ratio Lower Upper

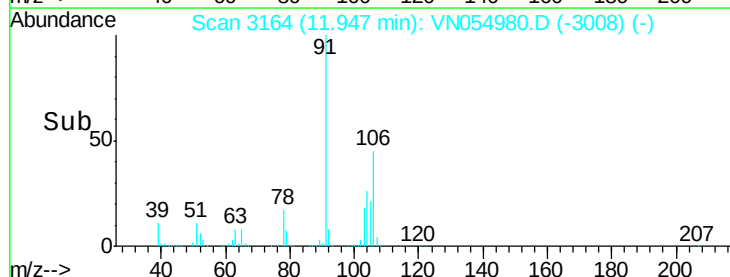
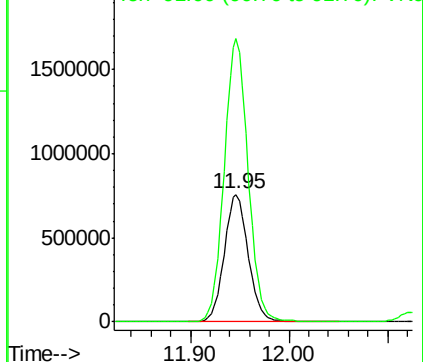
106 100

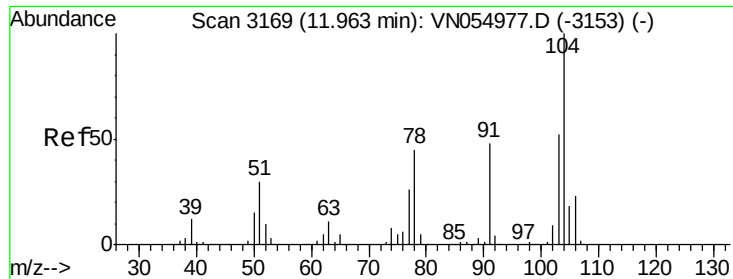
91 220.9 110.3 330.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





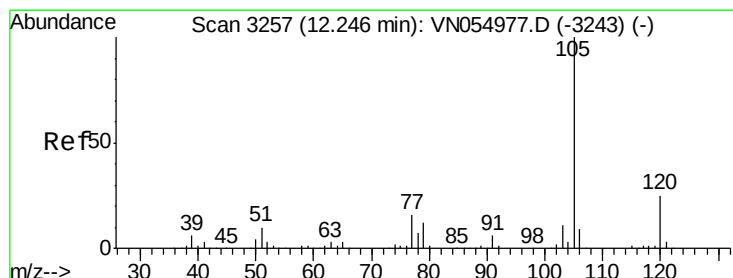
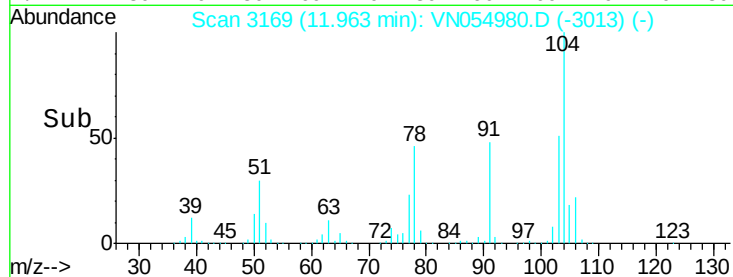
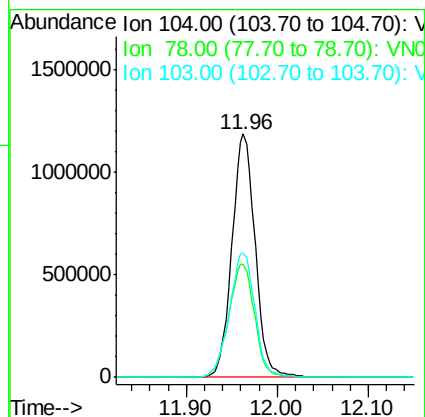
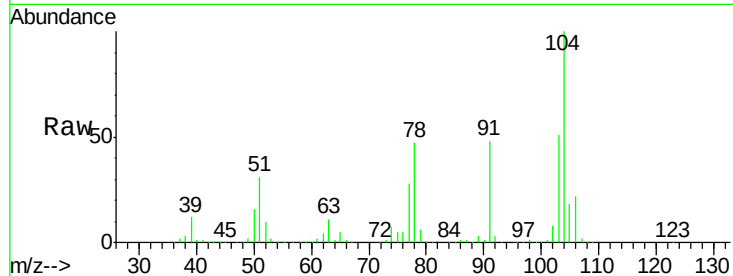
#69
Stvrene
Concen: 176.995 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:104 Resp: 2105129
Ion Ratio Lower Upper
104 100
78 51.9 41.2 61.8
103 56.2 44.6 67.0

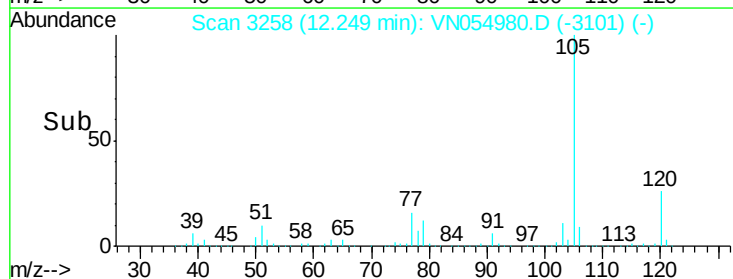
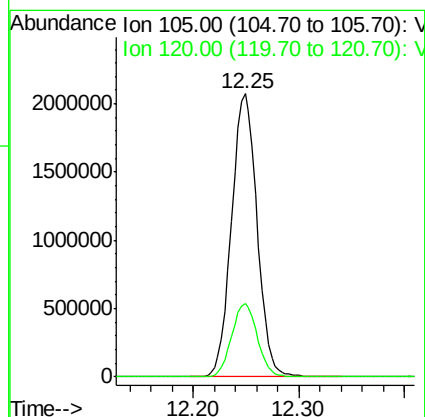
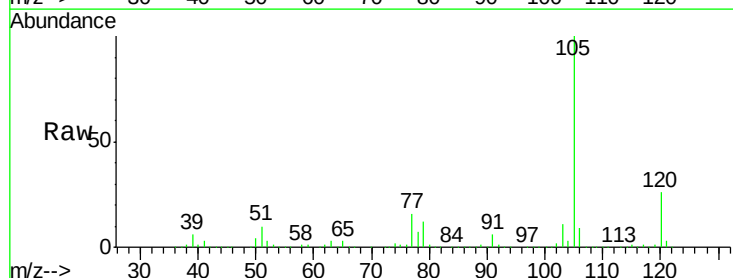
Manual Integrations
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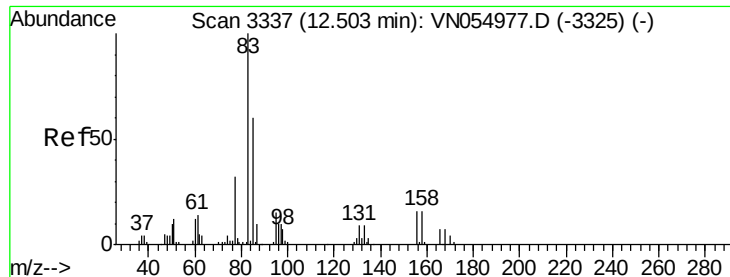
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#70
Isopropylbenzene
Concen: 173.988 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

Tgt Ion:105 Resp: 3468121
Ion Ratio Lower Upper
105 100
120 26.2 18.3 33.9





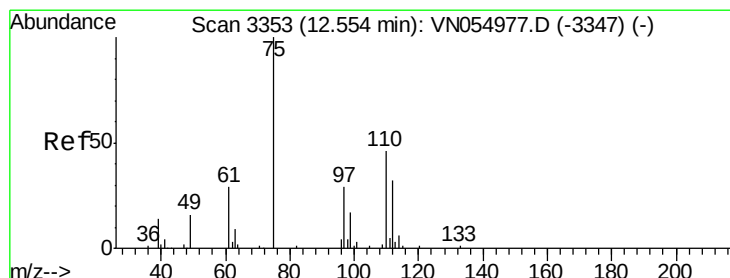
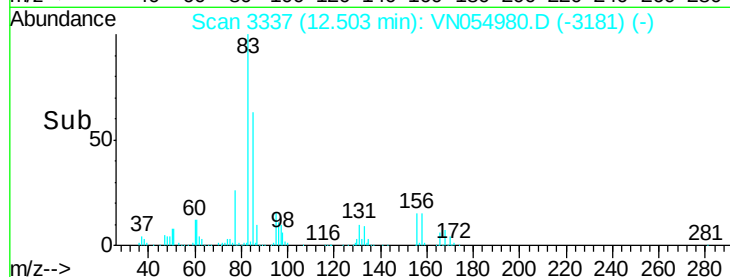
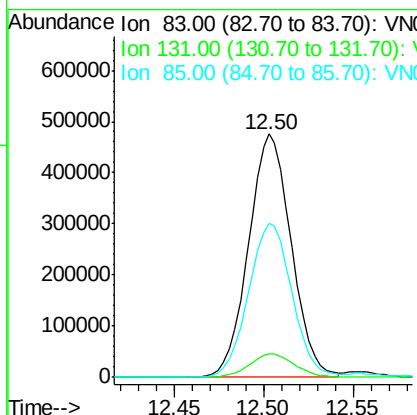
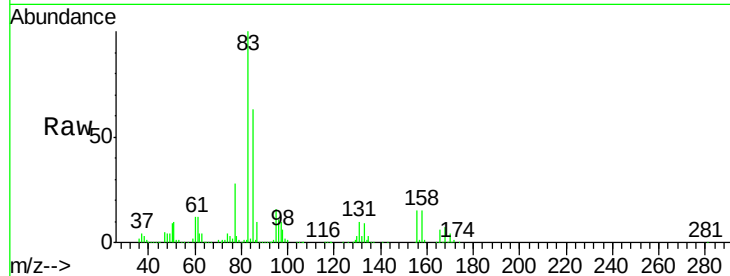
#71
 1,1,2,2-Tetrachloroethane
 Concen: 162.860 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.4	4.6	13.8
85	64.4	30.9	92.5

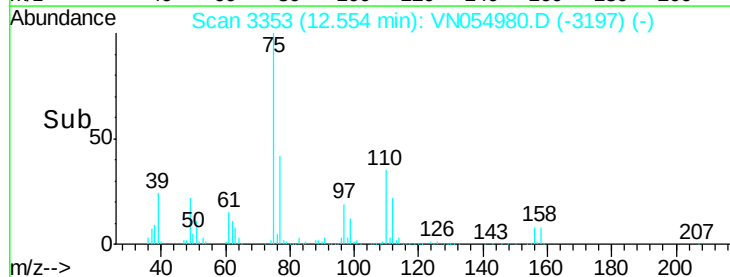
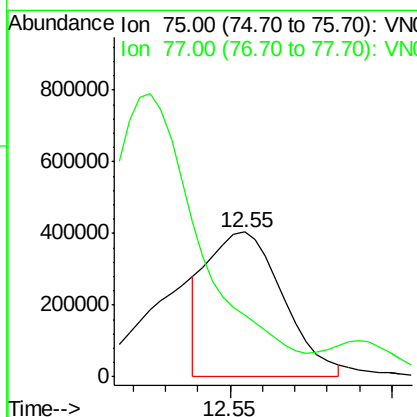
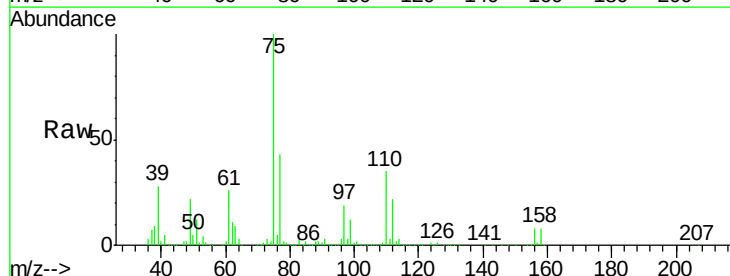
Manual Integrations
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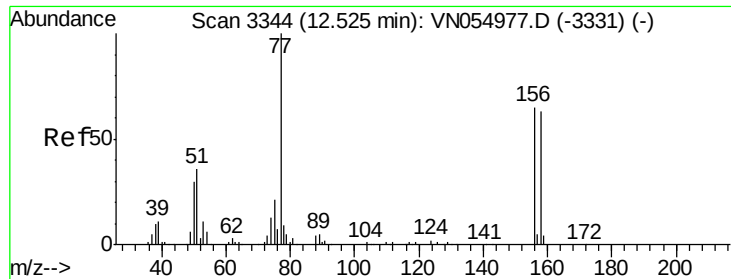
MMDadoda
 4/12/2019 1:41:23 PM



#72
 1,2,3-Trichloropropane
 Concen: 175.705 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

Tgt Ion	Ratio	Lower	Upper
75	100		
77	246.8	0.0	466.6





#73

Bromobenzene

Concen: 169.865 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

Instrument :

MSVOA_N

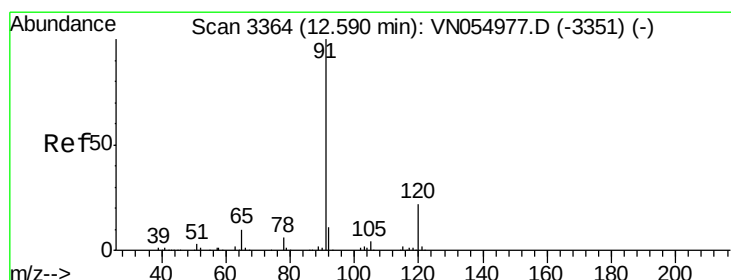
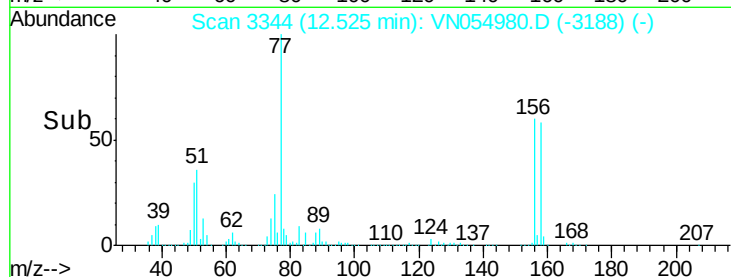
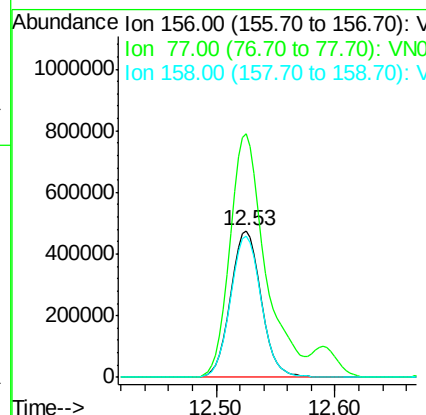
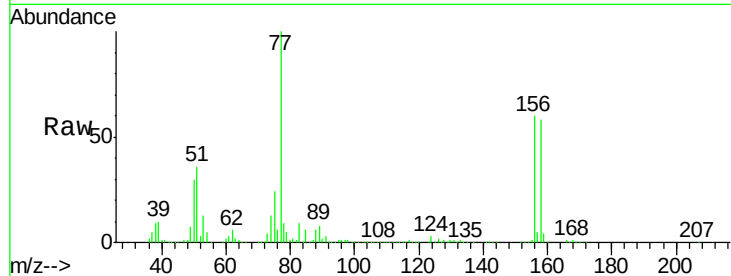
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	190.7	0.0	383.2
158	97.1	0.0	193.8

Manual Integrations
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#74

n-propylbenzene

Concen: 170.113 ug/l

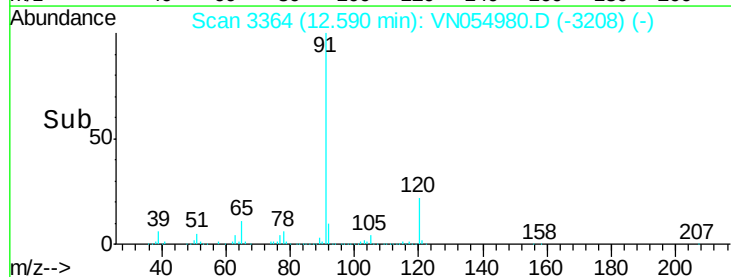
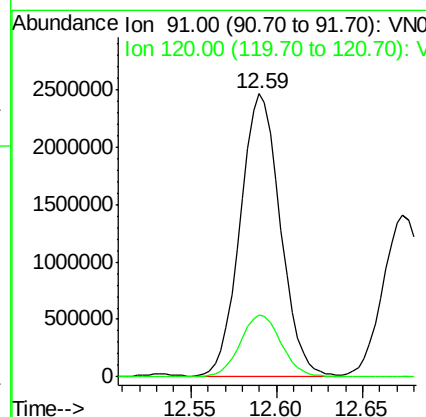
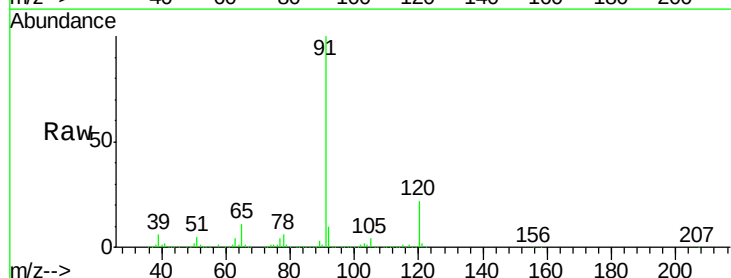
RT: 12.59 min Scan# 3364

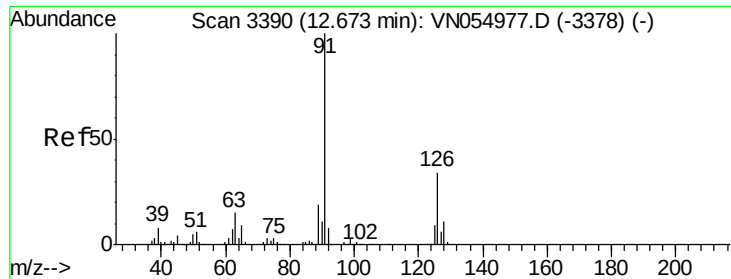
Delta R.T. 0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	0.0	44.4





#75

2-Chlorotoluene

Concen: 170.502 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2365644

Ion Ratio Lower Upper

91 100

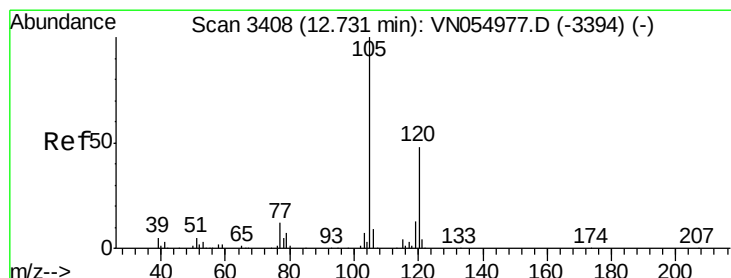
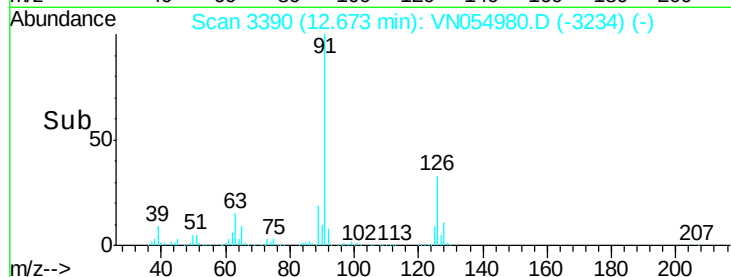
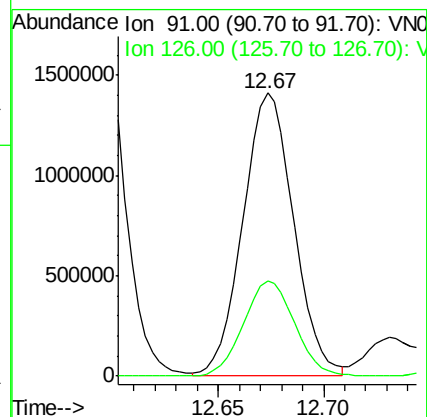
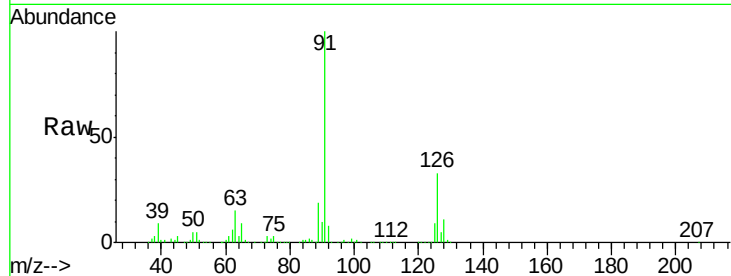
126 33.9 0.0 67.4

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 167.570 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054980.D

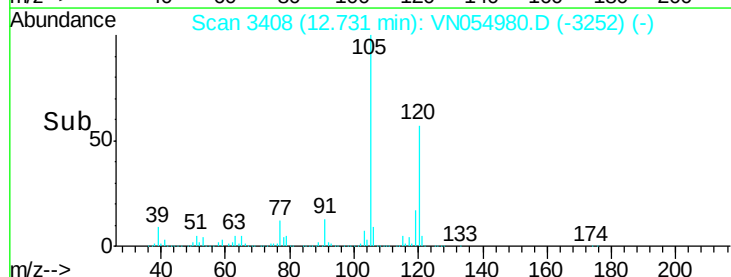
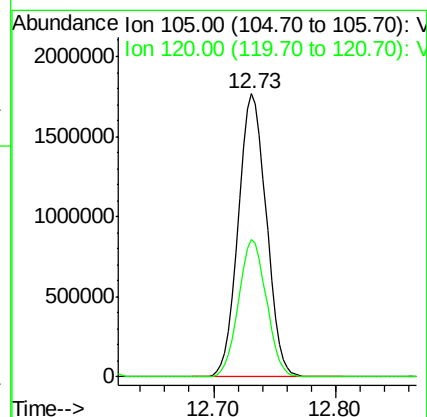
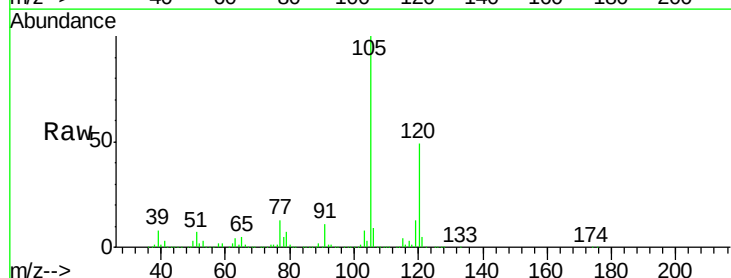
Acq: 11 Apr 2019 16:13

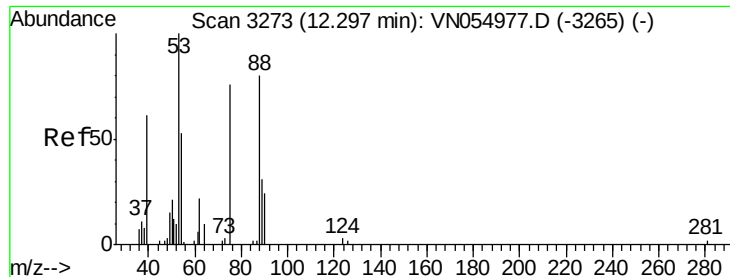
Tgt Ion:105 Resp: 2815513

Ion Ratio Lower Upper

105 100

120 48.3 0.0 94.8





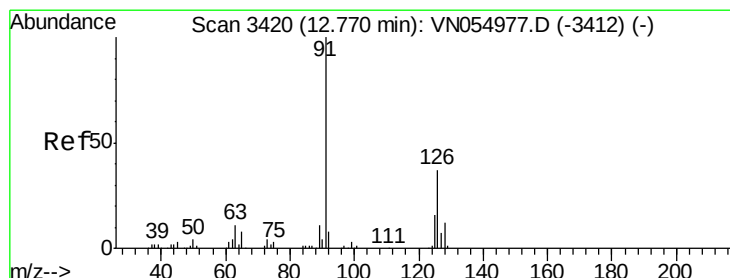
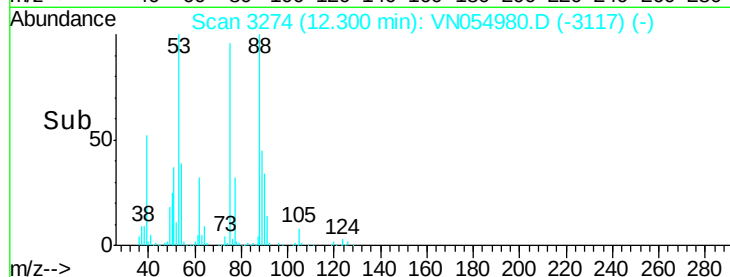
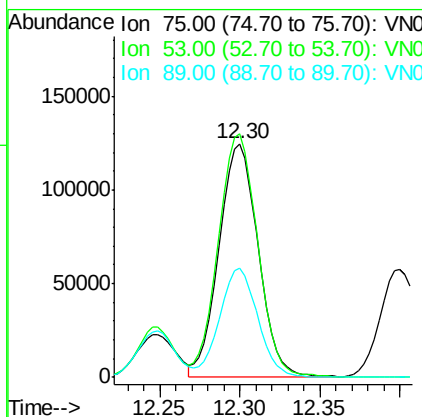
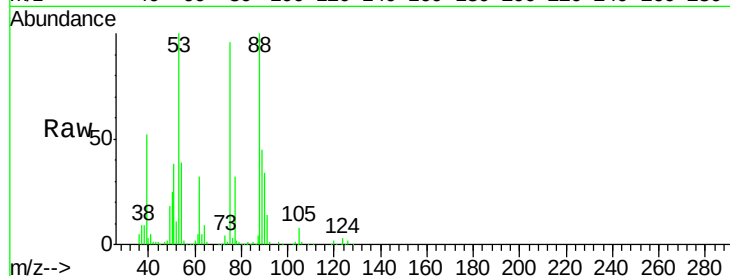
#77
t-1,4-Dichloro-2-butene
Concen: 164.485 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.4	64.3	192.7
89	46.9	21.6	65.0

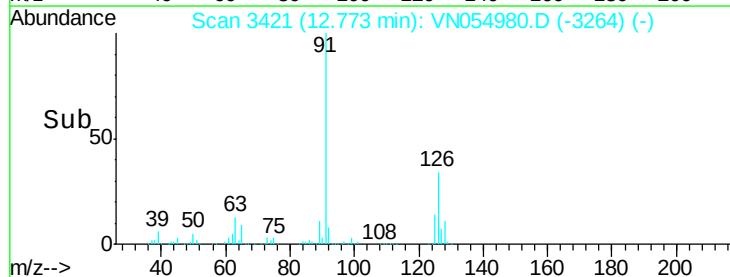
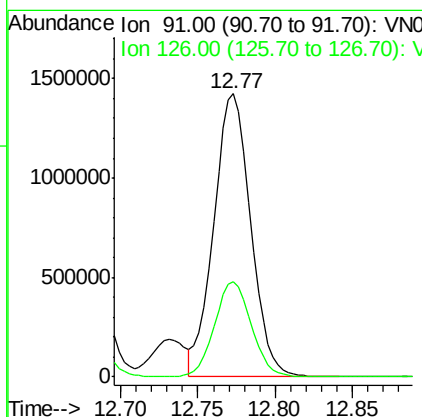
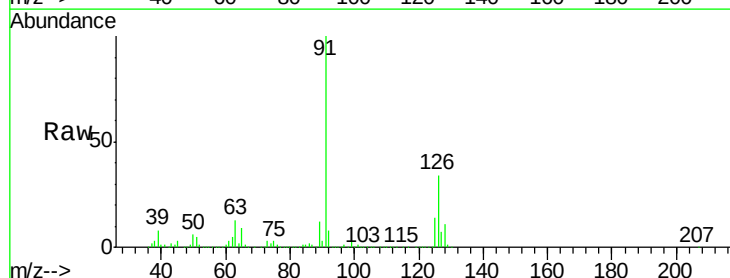
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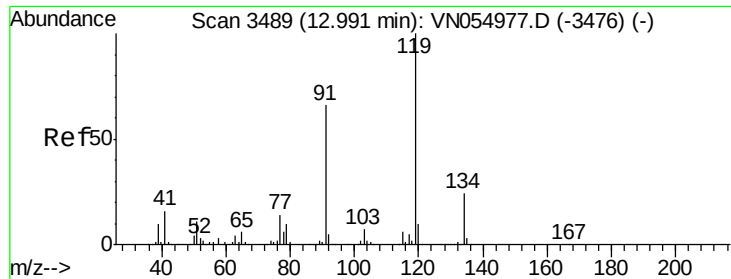
MMDadoda
4/12/2019 1:41:23 PM



#78
4-Chlorotoluene
Concen: 171.353 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.7	0.0	66.6





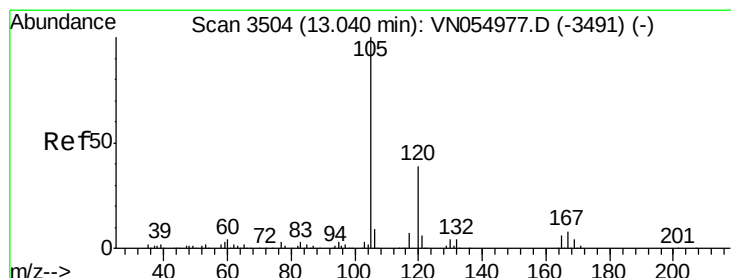
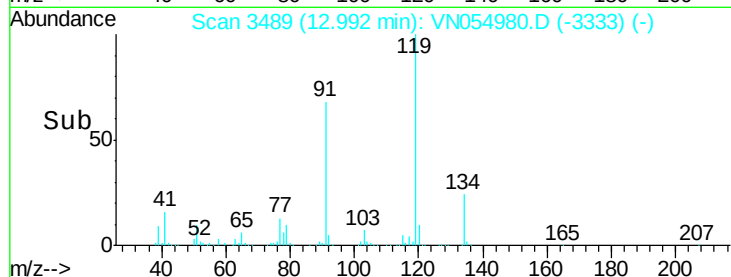
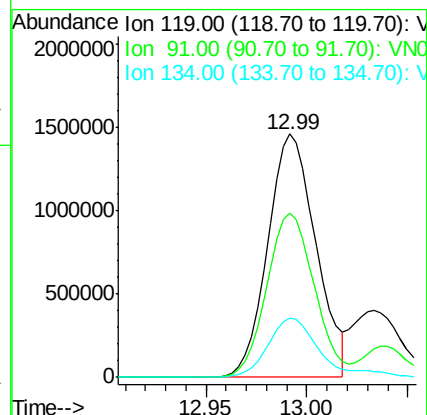
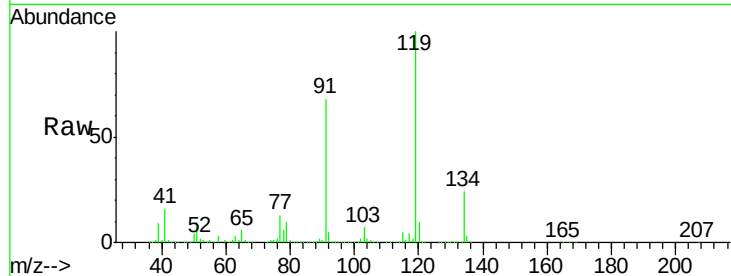
#79
tert-butylbenzene
Concen: 164.039 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.8	0.0	132.6
134	24.2	0.0	47.6

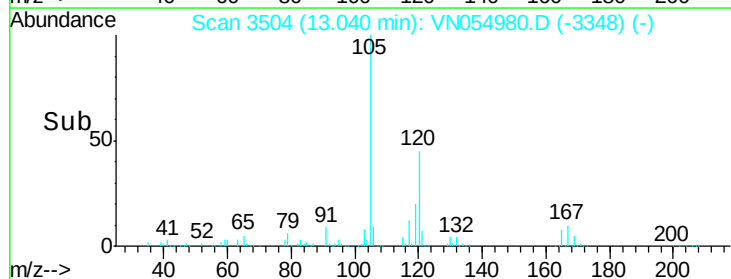
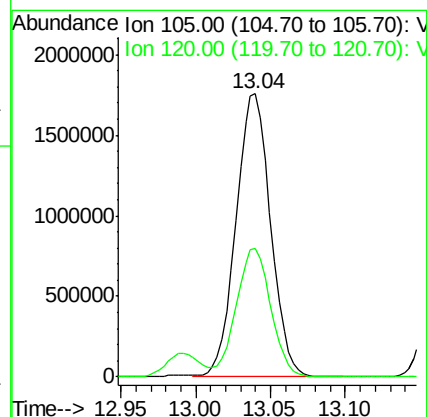
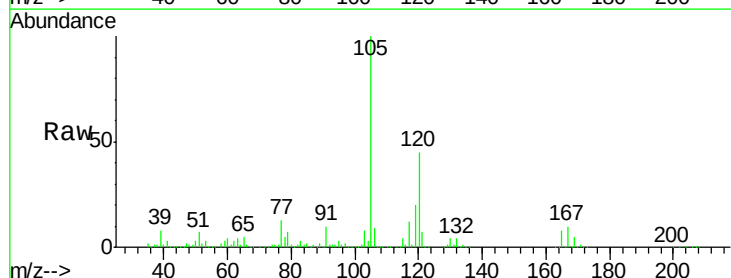
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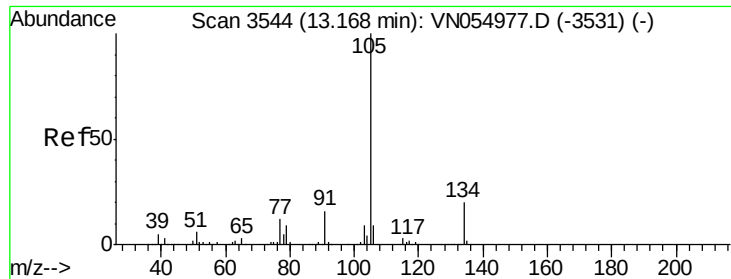
MMDadoda
4/12/2019 1:41:23 PM



#80
1,2,4-Trimethylbenzene
Concen: 169.894 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	0.0	91.4





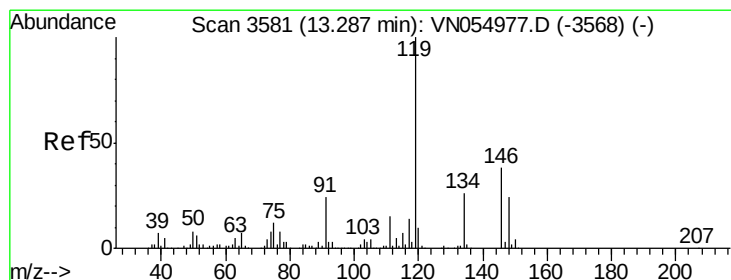
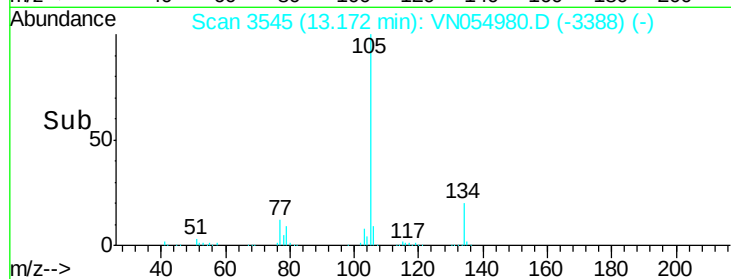
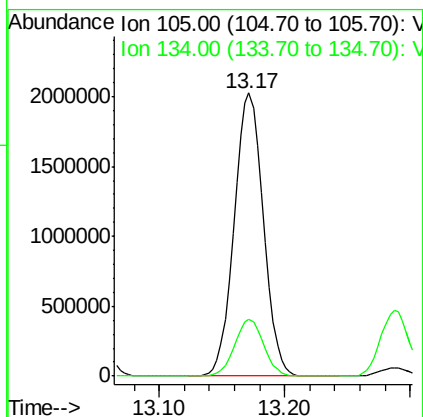
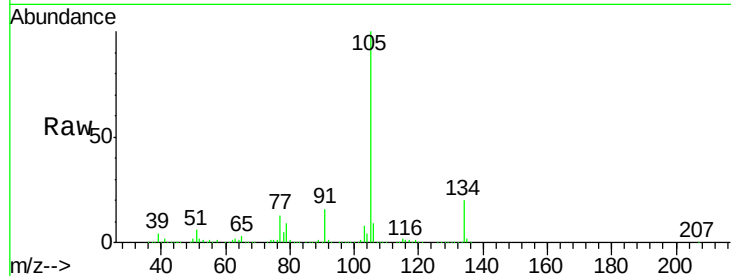
#81
 sec-Butylbenzene
 Concen: 162.034 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 3265289
 Ion Ratio Lower Upper
 105 100
 134 19.9 0.0 40.0

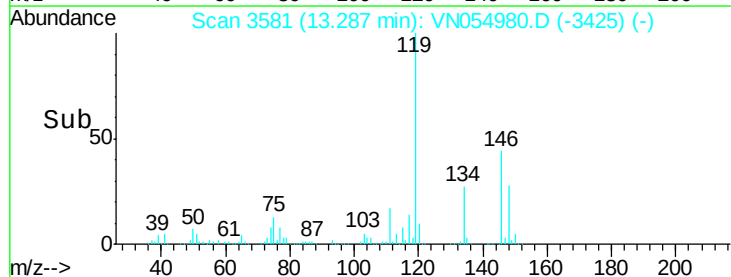
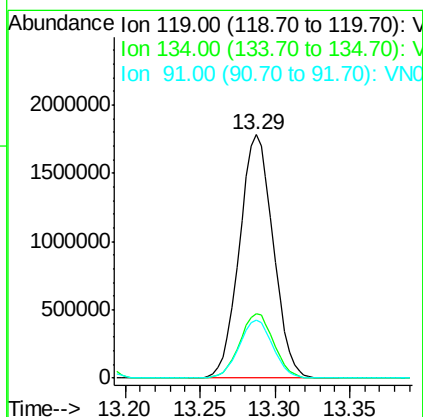
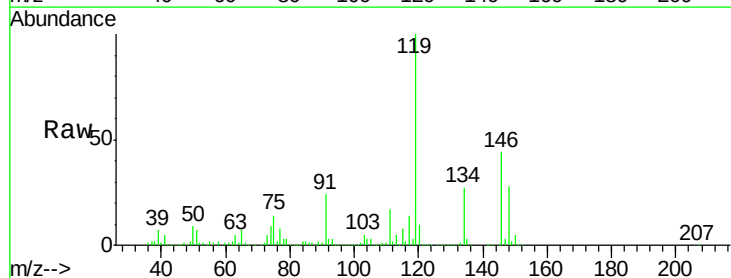
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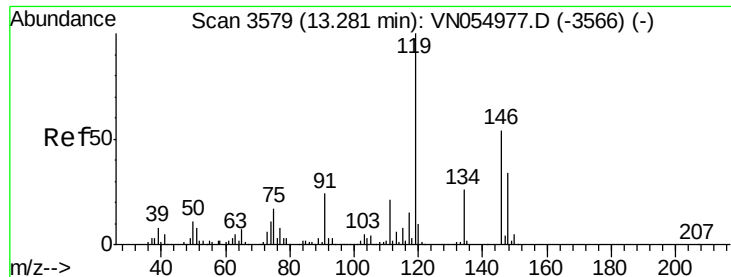
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#82
 p-Isopropyltoluene
 Concen: 162.891 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

Tgt Ion:119 Resp: 2793047
 Ion Ratio Lower Upper
 119 100
 134 26.7 0.0 53.2
 91 23.8 0.0 47.8





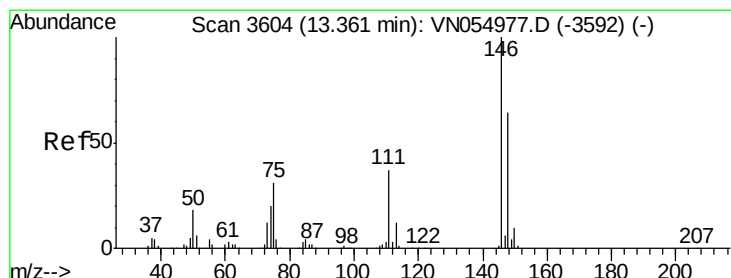
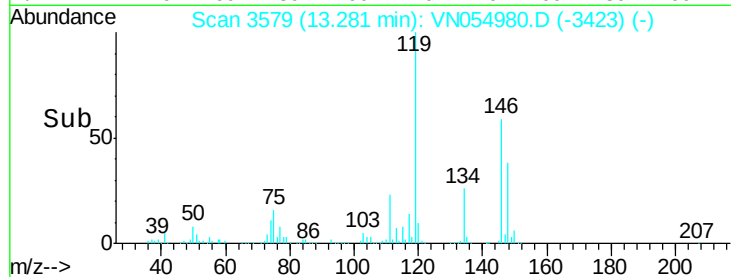
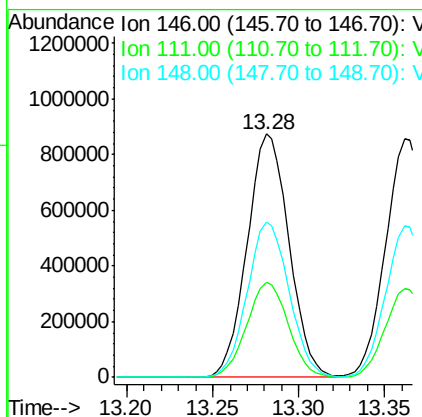
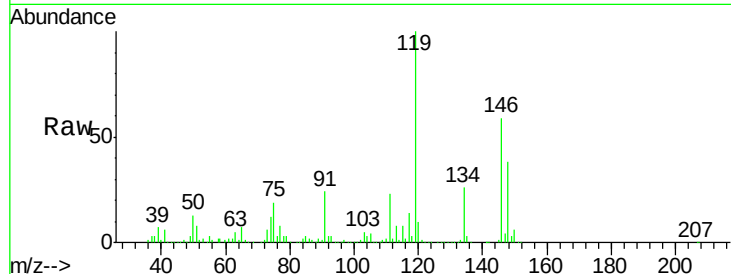
#83
 1,3-Dichlorobenzene
 Concen: 168.817 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 1473976
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.1 57.5
 148 63.9 31.9 95.5

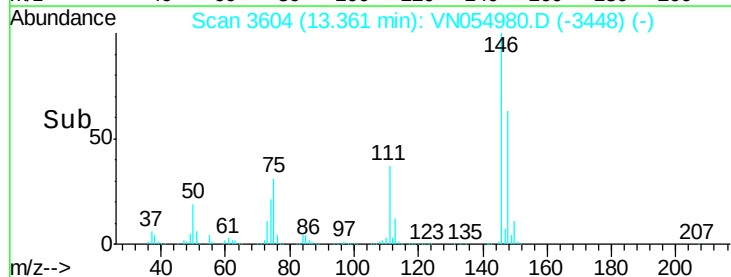
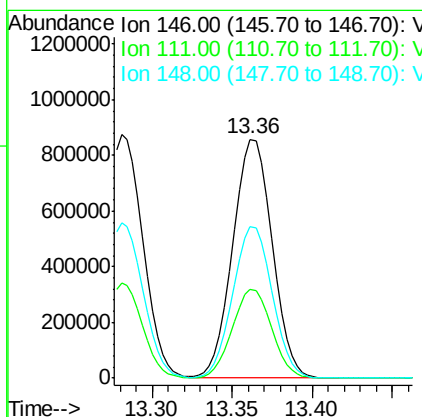
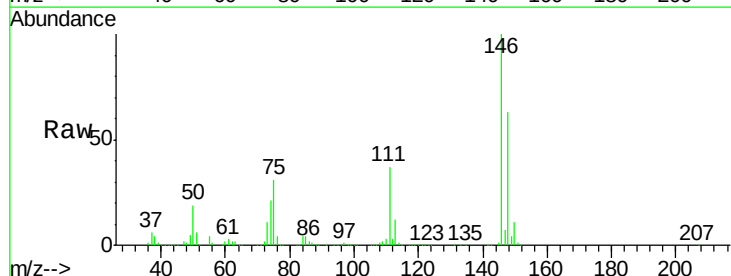
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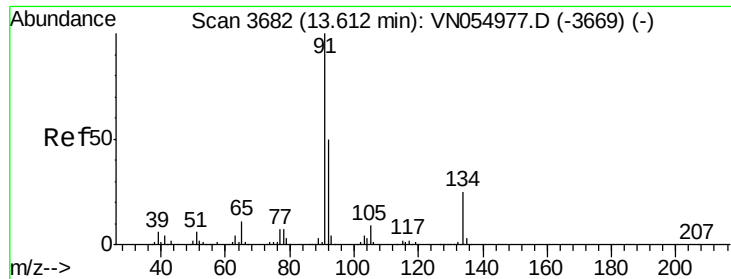
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#84
 1,4-Dichlorobenzene
 Concen: 173.399 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

Tgt Ion:146 Resp: 1442118
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.4 55.2
 148 63.3 32.5 97.4





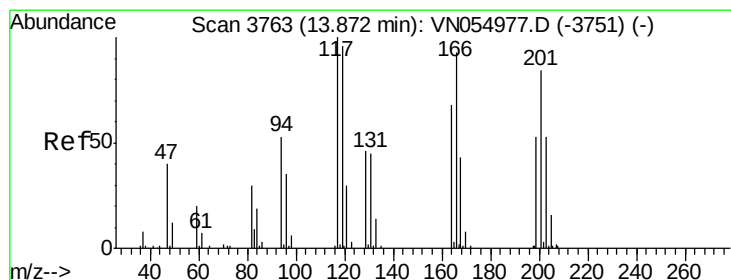
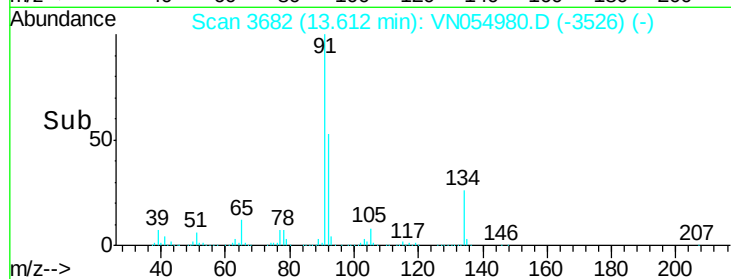
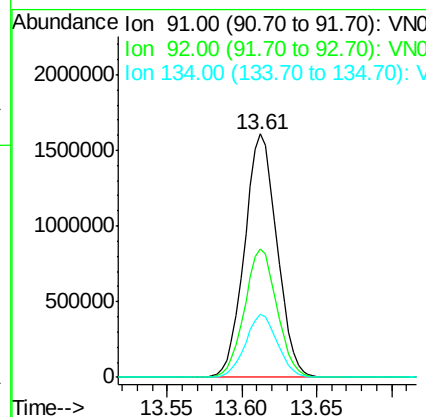
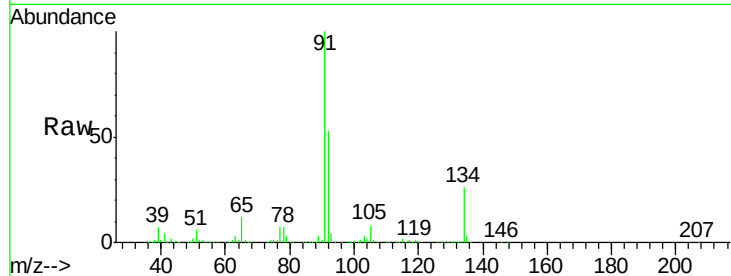
#85
n-Butylbenzene
Concen: 165.421 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2427815
Ion Ratio Lower Upper
91 100
92 52.6 0.0 101.4
134 25.7 0.0 49.8

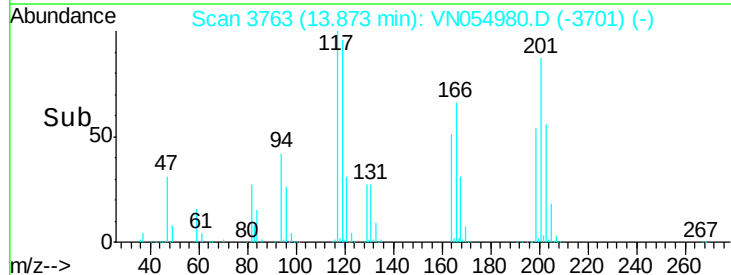
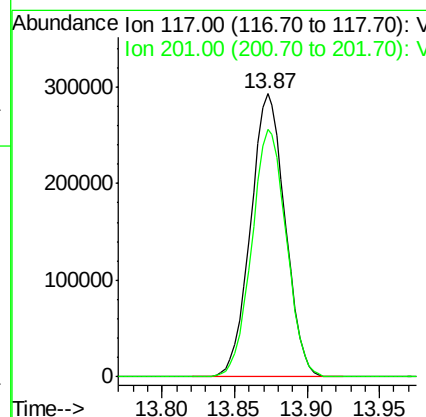
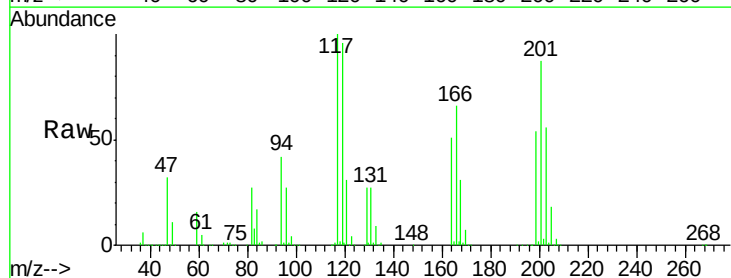
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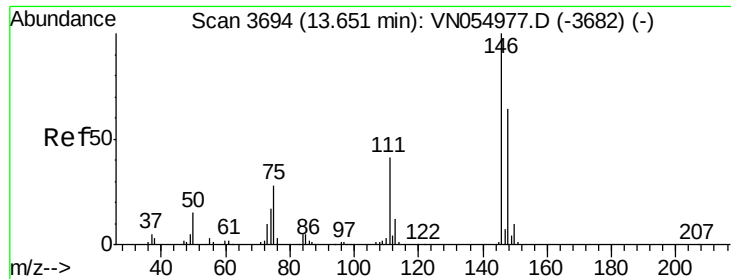
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#86
Hexachloroethane
Concen: 151.968 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

Tgt Ion: 117 Resp: 484889
Ion Ratio Lower Upper
117 100
201 87.7 42.8 128.3





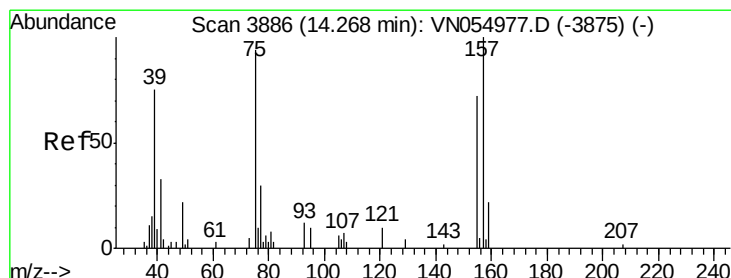
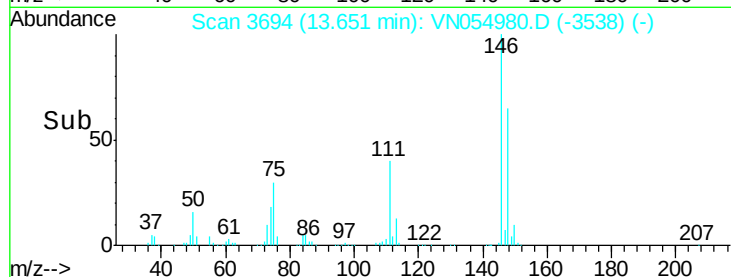
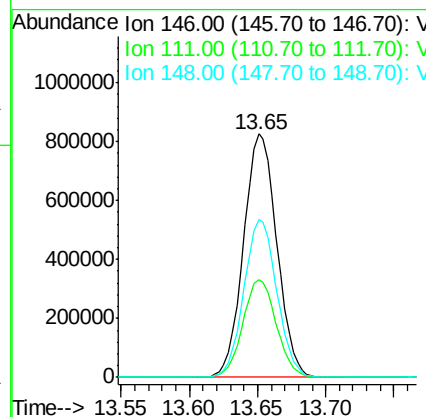
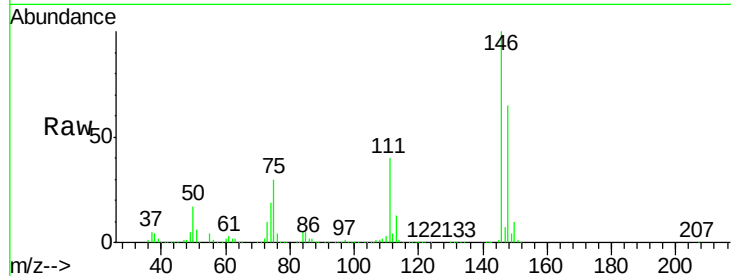
#87
 1,2-Dichlorobenzene
 Concen: 165.208 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion:146 Resp: 1400007
 Ion Ratio Lower Upper
 146 100
 111 40.1 20.3 60.8
 148 64.0 32.5 97.5

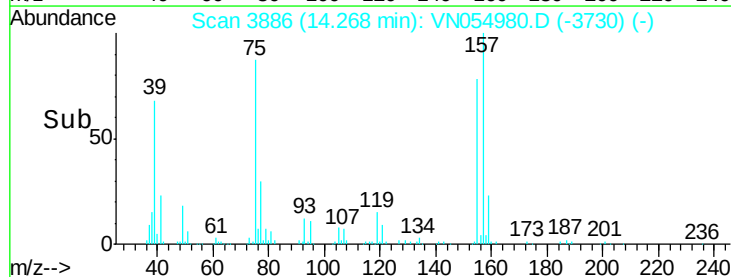
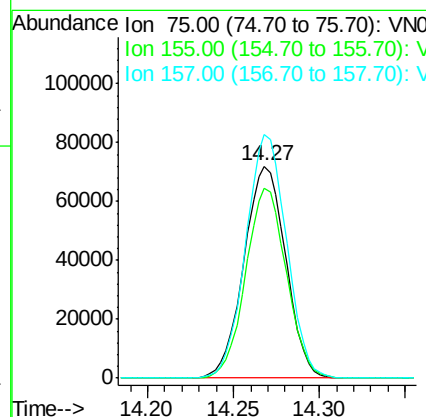
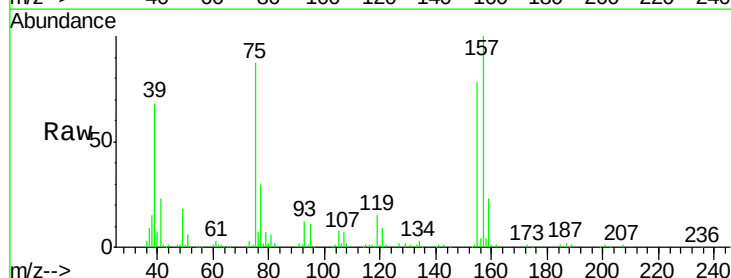
Manual Integrations
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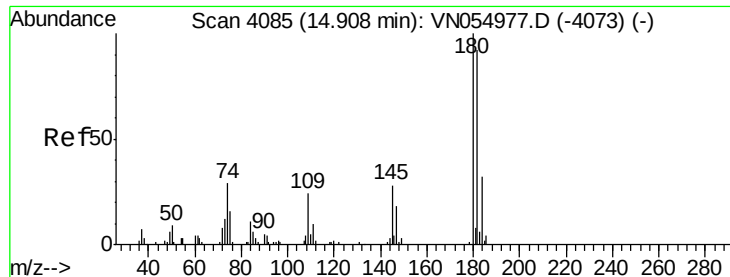
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 176.145 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

Tgt Ion: 75 Resp: 121478
 Ion Ratio Lower Upper
 75 100
 155 87.3 61.8 92.8
 157 112.0 82.7 124.1





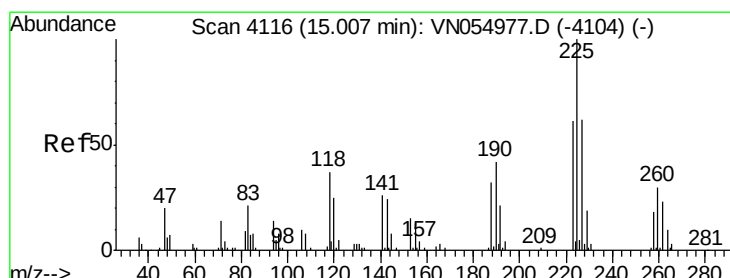
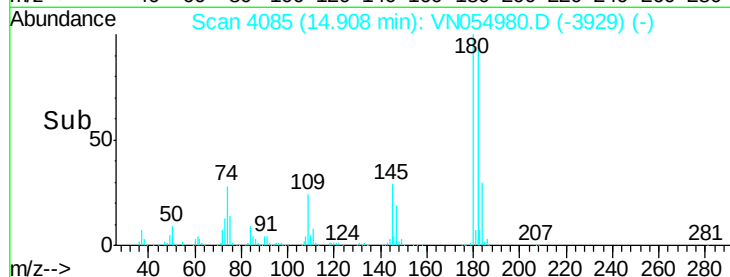
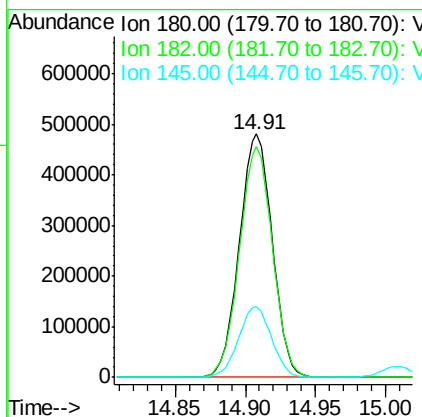
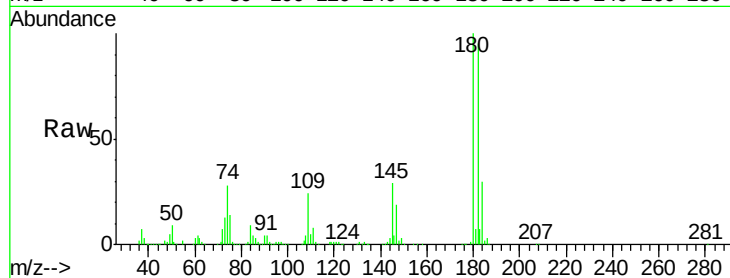
#89
 1,2,4-Trichlorobenzene
 Concen: 189.656 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	786293		
182	95.3		73.2	109.8
145	29.1		23.2	34.8

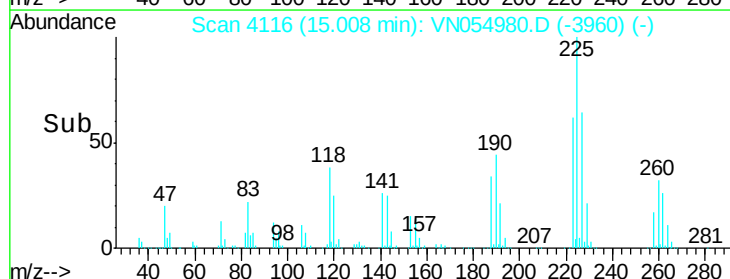
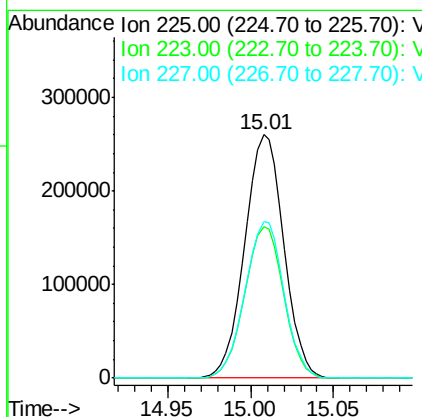
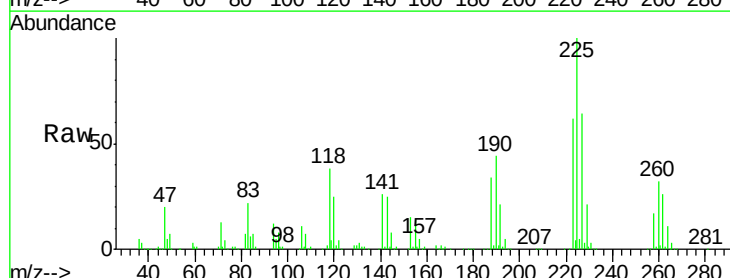
Manual Integrations
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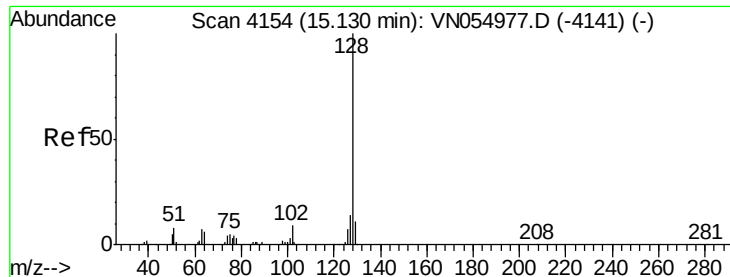
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#90
 Hexachlorobutadiene
 Concen: 136.263 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	427151		
223	62.2		0.0	126.0
227	64.2		0.0	125.4





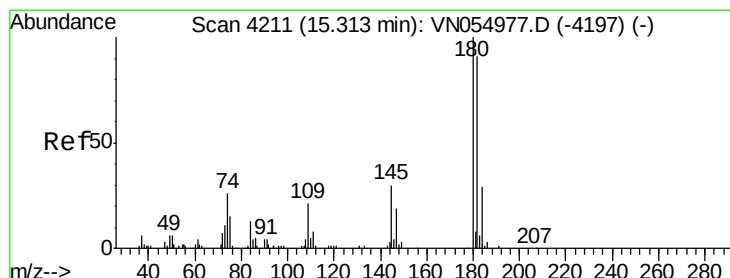
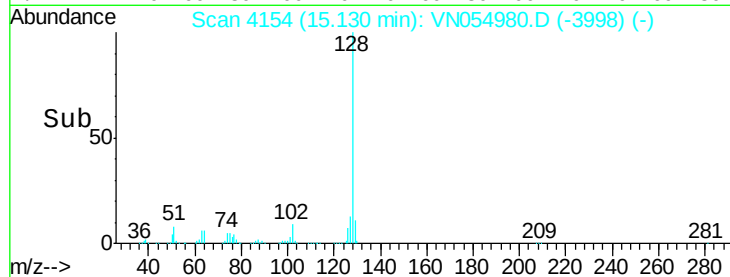
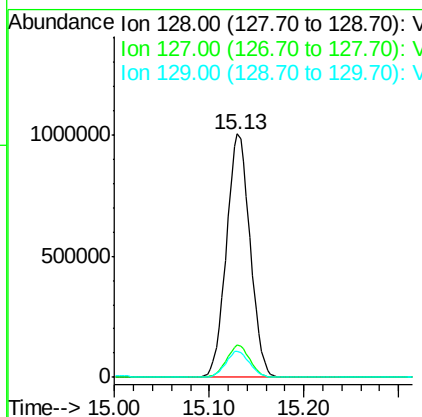
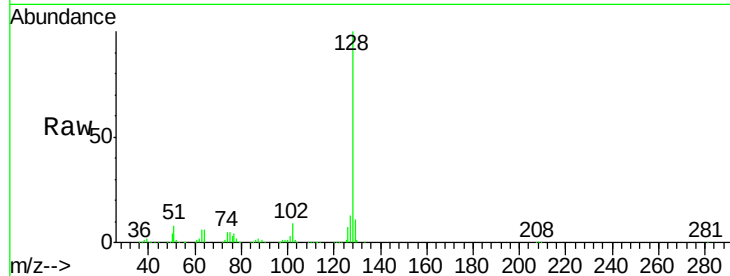
#91
Naphthalene
Concen: 211.676 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	10.8	9.0	13.6

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 181.058 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	0.0	188.2
145	30.6	0.0	61.2

