

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030619\
 Data File : VN054113.D
 Acq On : 6 Mar 2019 11:29
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 3/7/2019 11:38:06 AM

Quant Time: Mar 07 06:14:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 05:44:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	655122	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1018955	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	903451	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	414756	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	389774	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
35) Dibromofluoromethane	7.59	113	338088	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	
50) Toluene-d8	10.09	98	1301157	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
62) 4-Bromofluorobenzene	12.40	95	428978	52.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	283957	45.099	ug/l	100
3) Chloromethane	2.06	50	394253	43.698	ug/l	100
4) Vinyl Chloride	2.18	62	394424	46.237	ug/l	100
5) Bromomethane	2.57	94	215286	38.922	ug/l	100
6) Chloroethane	2.70	64	233622	45.183	ug/l	100
7) Trichlorofluoromethane	3.02	101	488636	46.885	ug/l	100
8) Diethyl Ether	3.41	74	189767	45.696	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	310192	45.750	ug/l	100
10) Methyl Iodide	3.95	142	378172	52.557	ug/l	100
11) Tert butyl alcohol	4.77	59	123748	258.531	ug/l	100
12) 1,1-Dichloroethene	3.74	96	294823	46.612	ug/l	100
13) Acrolein	3.60	56	100210	238.053	ug/l	100
14) Allyl chloride	4.32	41	547266	48.019	ug/l	100
15) Acrylonitrile	4.98	53	652629	241.558	ug/l	100
16) Acetone	3.81	43	557160	228.887	ug/l	100
17) Carbon Disulfide	4.05	76	906880	43.957	ug/l	100
18) Methyl Acetate	4.32	43	277456	44.708	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	854719	48.150	ug/l	100
20) Methylene Chloride	4.55	84	345609	44.681	ug/l	100
21) trans-1,2-Dichloroethene	5.04	96	321401	46.287	ug/l	100
22) Diisopropyl ether	5.95	45	1094146	49.273	ug/l	100
23) Vinyl Acetate	5.89	43	3936345	249.554	ug/l	100
24) 1,1-Dichloroethane	5.85	63	624135	46.979	ug/l	100
25) 2-Butanone	6.83	43	780218	241.996	ug/l	100
26) 2,2-Dichloropropane	6.82	77	454722	47.487	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	367632	47.480	ug/l	100
28) Bromochloromethane	7.19	49	320020	48.260	ug/l	100
29) Tetrahydrofuran	7.21	42	513061	242.785	ug/l	100
30) Chloroform	7.37	83	605056	47.530	ug/l	100
31) Cyclohexane	7.65	56	581687	40.326	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	498586	47.240	ug/l	100
36) 1,1-Dichloropropene	7.79	75	462750	48.384	ug/l	100
37) Ethyl Acetate	6.92	43	331361	48.325	ug/l	100
38) Carbon Tetrachloride	7.77	117	438867	48.067	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	537999	48.742	ug/l	100
40) Benzene	8.04	78	1418385	50.127	ug/l	100
41) Methacrylonitrile	7.19	41	214573m	51.475	ug/l	
42) 1,2-Dichloroethane	8.12	62	435533	48.591	ug/l	100
43) Isopropyl Acetate	8.16	43	552289	51.823	ug/l	100
44) Trichloroethene	8.83	130	371786	49.001	ug/l	100
45) 1,2-Dichloropropane	9.12	63	385207	49.355	ug/l	100
46) Dibromomethane	9.21	93	221469	49.709	ug/l	100
47) Bromodichloromethane	9.40	83	466307	49.999	ug/l	100
48) Methyl methacrylate	9.20	41	274129	52.089	ug/l	100
49) 1,4-Dioxane	9.20	88	76379	1098.313	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	1591603	260.670	ug/l	100
52) Toluene	10.16	92	849287	50.662	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	472189	51.331	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	548760	50.474	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	311448	49.337	ug/l	100
56) Ethyl methacrylate	10.43	69	397984	53.705	ug/l	100
57) 1,3-Dichloropropane	10.71	76	541669	50.290	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	874698	257.877	ug/l	100
59) 2-Hexanone	10.75	43	1046815	259.880	ug/l	100
60) Dibromochloromethane	10.90	129	341505	50.594	ug/l	100
61) 1,2-Dibromoethane	11.00	107	302183	50.308	ug/l	100
64) Tetrachloroethene	10.63	164	357296	48.189	ug/l	100
65) Chlorobenzene	11.43	112	902564	48.006	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	328287	48.778	ug/l	100
67) Ethyl Benzene	11.51	91	1556980	49.489	ug/l	100
68) m/p-Xylenes	11.62	106	1192654	100.453	ug/l	100
69) o-Xylene	11.95	106	577760	50.571	ug/l	100
70) Styrene	11.96	104	933679	51.484	ug/l	100
71) Bromoform	12.13	173	233738	50.462	ug/l #	100
73) Isopropylbenzene	12.25	105	1505112	45.607	ug/l	100
74) N-amyl acetate	12.07	43	436406	49.930	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	377044	43.896	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	361705m	55.778	ug/l	
77) Bromobenzene	12.53	156	382898	45.033	ug/l	100
78) n-propylbenzene	12.59	91	1772699	47.736	ug/l	100
79) 2-Chlorotoluene	12.67	91	1032466	45.777	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1270546	47.361	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	102084	49.598	ug/l	100
82) 4-Chlorotoluene	12.77	91	1049618	46.684	ug/l	100
83) tert-Butylbenzene	12.99	119	1117498	47.037	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1296252	48.683	ug/l	100
85) sec-Butylbenzene	13.17	105	1509381	46.816	ug/l	100
86) p-Isopropyltoluene	13.29	119	1297762	47.881	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	670106	46.399	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	653128	45.568	ug/l	100
89) n-Butylbenzene	13.62	91	1110603	48.531	ug/l	100
90) Hexachloroethane	13.87	117	233677	44.950	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	653833	45.477	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	57002	47.339	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	335739	48.920	ug/l	100
94) Hexachlorobutadiene	15.01	225	219237	42.603	ug/l	100
95) Naphthalene	15.13	128	697638	49.284	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	323021	46.762	ug/l	100

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

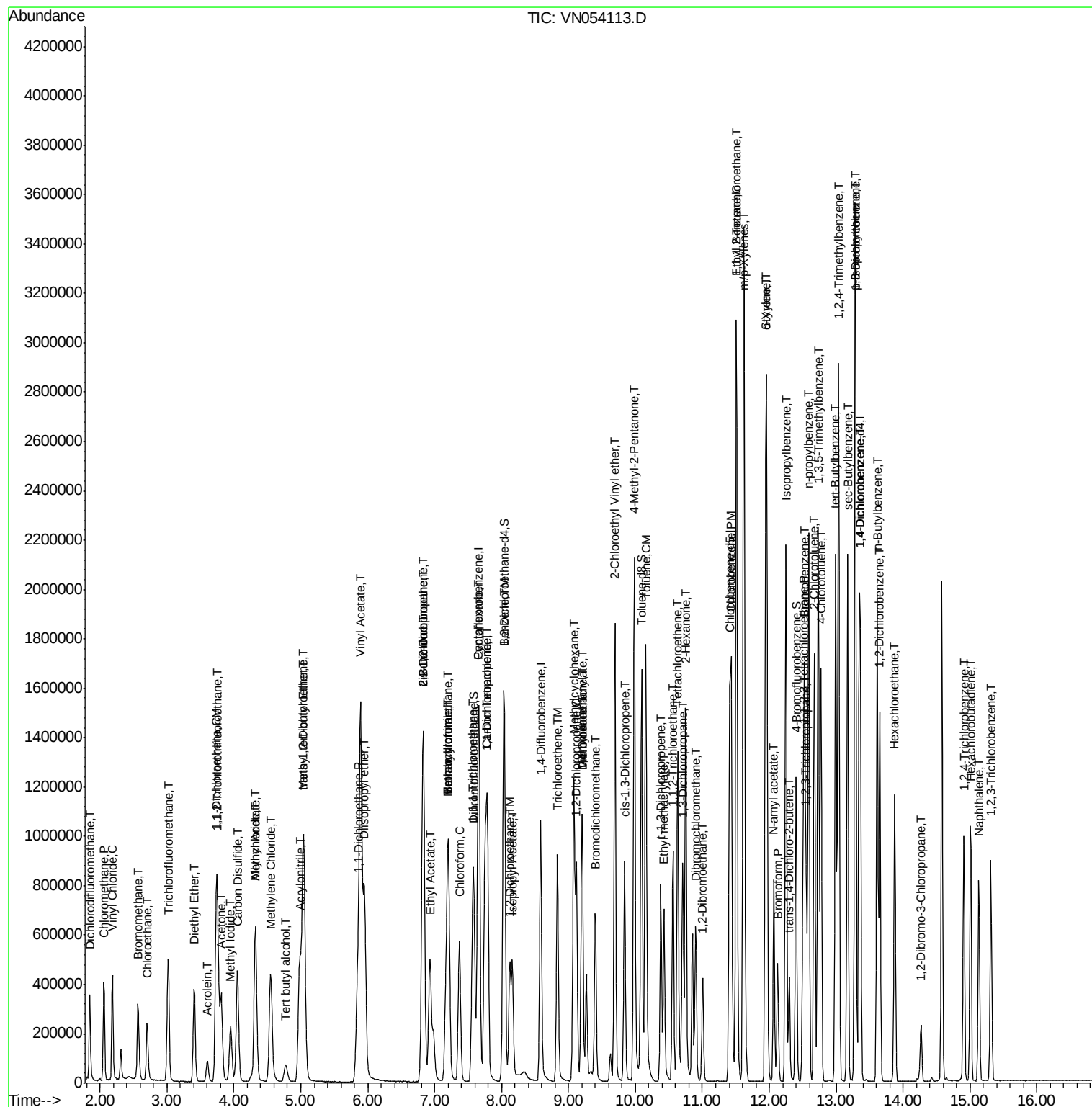
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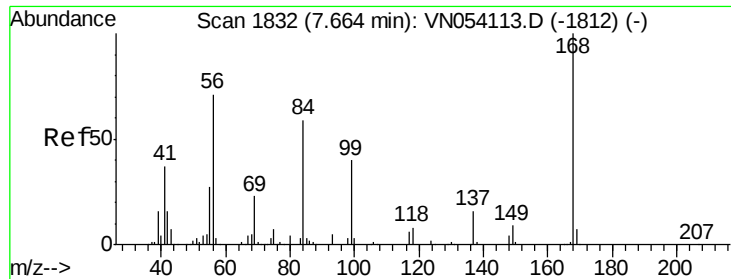
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054113.D

Acq: 6 Mar 2019 11:29

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion:168 Resp: 655122

Ion Ratio Lower Upper

168 100

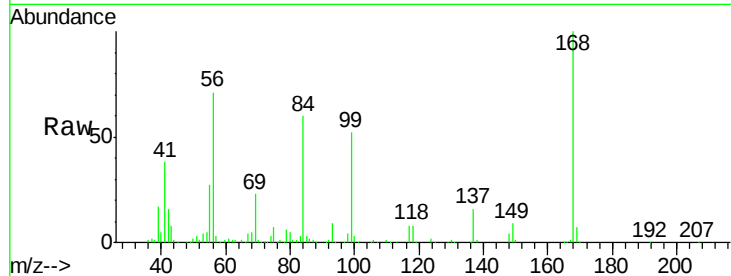
99 51.4 41.1 61.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

250000

200000

150000

100000

50000

0

7.50

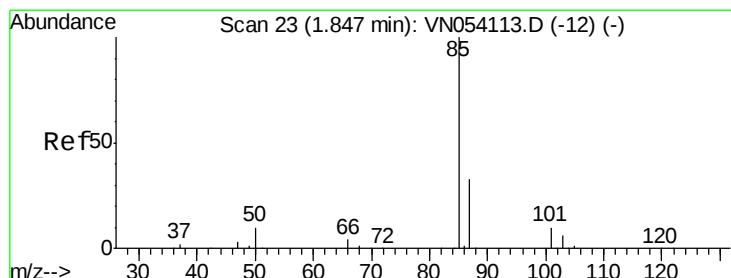
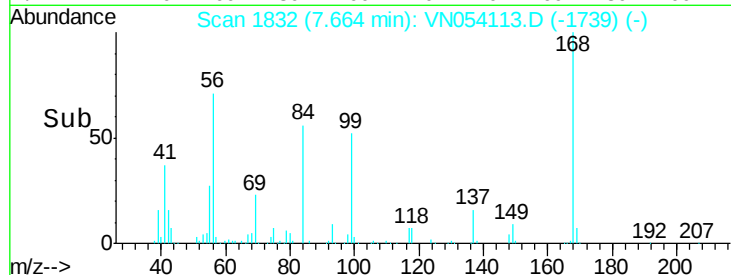
7.60

7.70

7.80

7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 45.099 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN054113.D

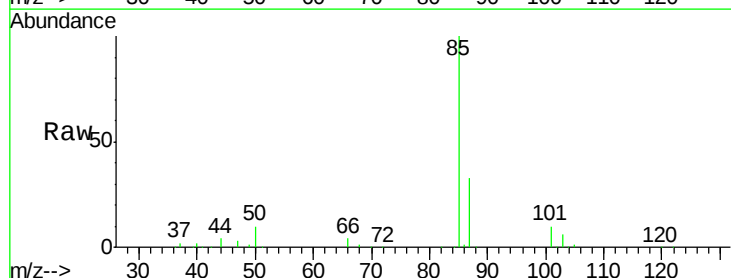
Acq: 6 Mar 2019 11:29

Tgt Ion: 85 Resp: 283957

Ion Ratio Lower Upper

85 100

87 32.8 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200000

150000

100000

50000

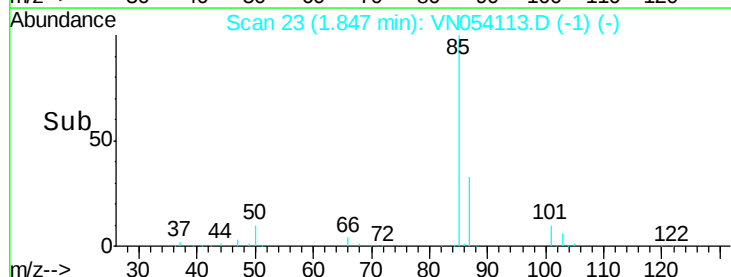
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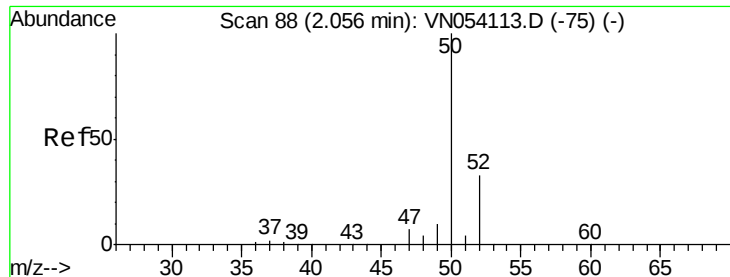
1.80

1.90

2.00

Time-->





#3

Chloromethane

Concen: 43.698 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN054113.D

Acq: 6 Mar 2019 11:29

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 50 Resp: 394253

Ion Ratio Lower Upper

50 100

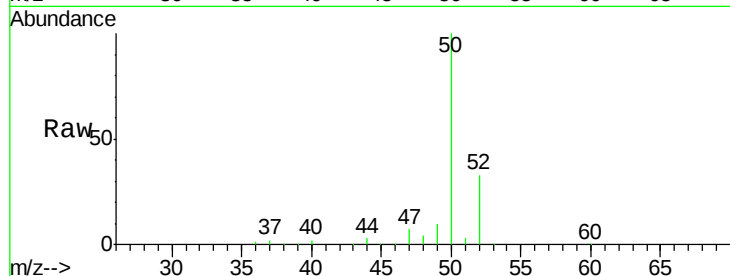
52 32.5 26.0 39.0

Manual Integrations

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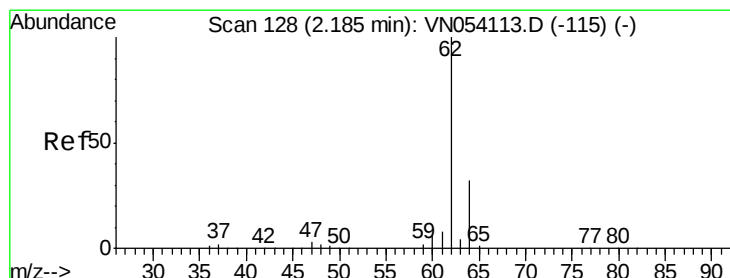
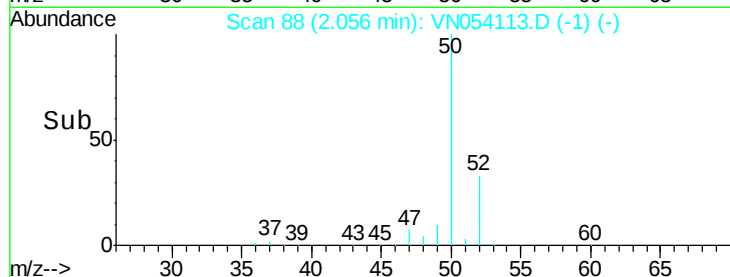
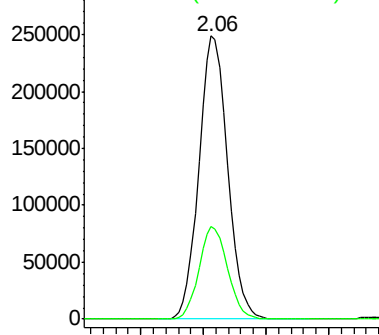
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 46.237 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN054113.D

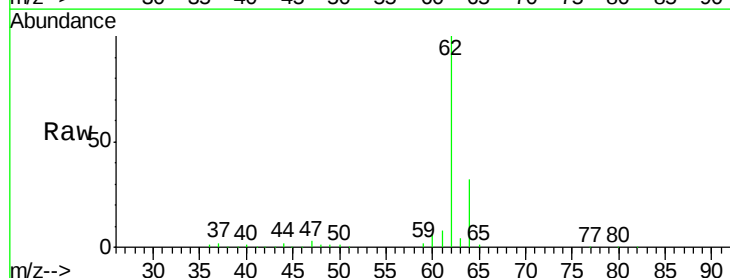
Acq: 6 Mar 2019 11:29

Tgt Ion: 62 Resp: 394424

Ion Ratio Lower Upper

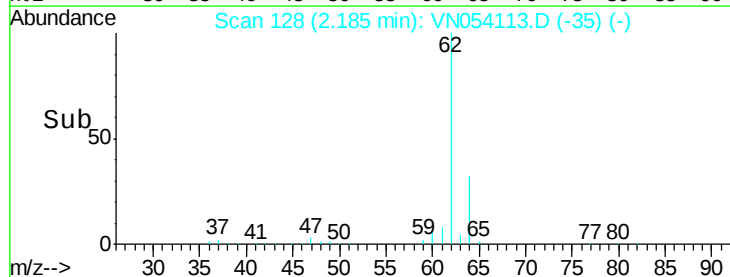
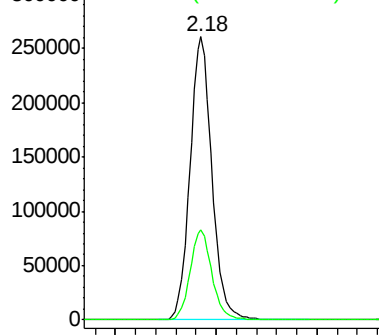
62 100

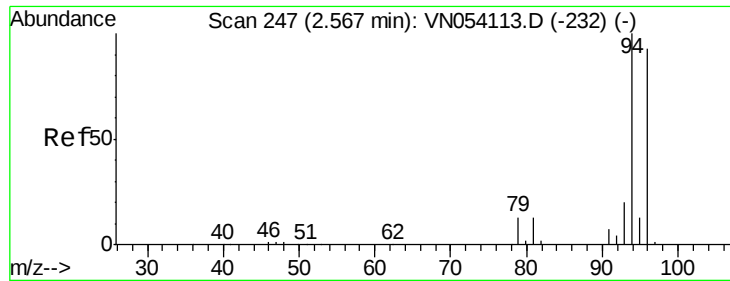
64 31.6 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





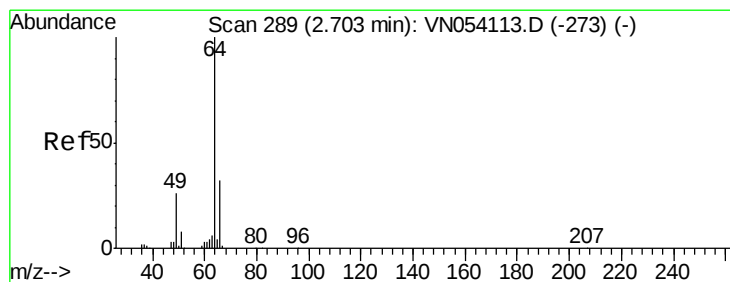
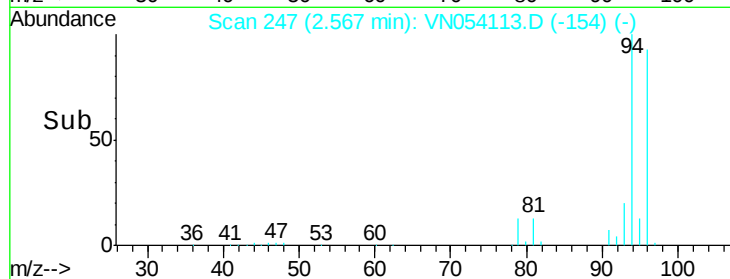
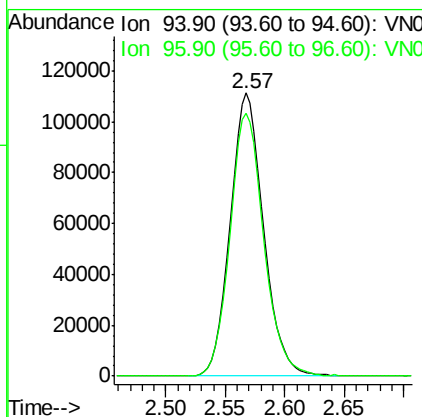
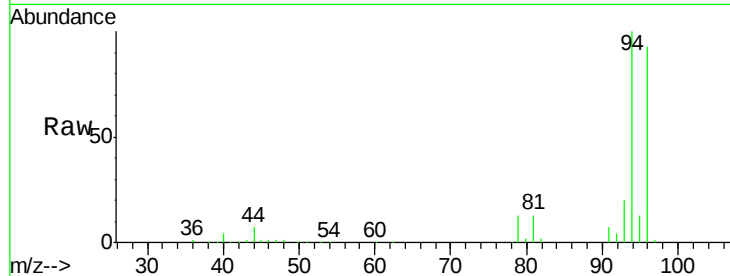
#5
Bromomethane
Concen: 38.922 ug/l
RT: 2.57 min Scan# 247
Delta R.T. 0.00 min
Lab File: VN054113.D
Acq: 6 Mar 2019 11:29

Instrument :
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VSTDICCC050

Tot Ion	94	96	Ratio	100	92.8	Resp:	215286	Lower	Upper
94	100								
96		92.8						74.2	111.4

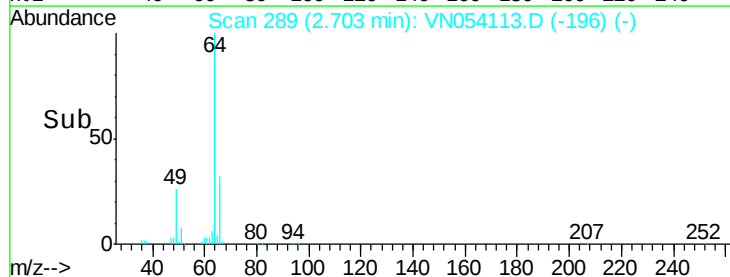
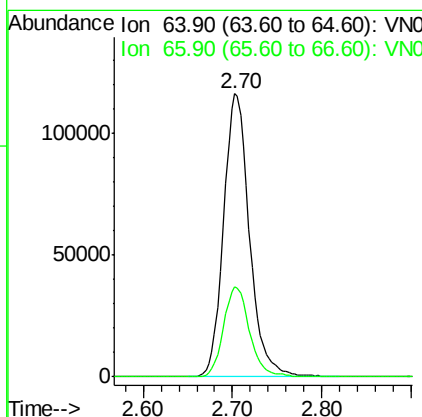
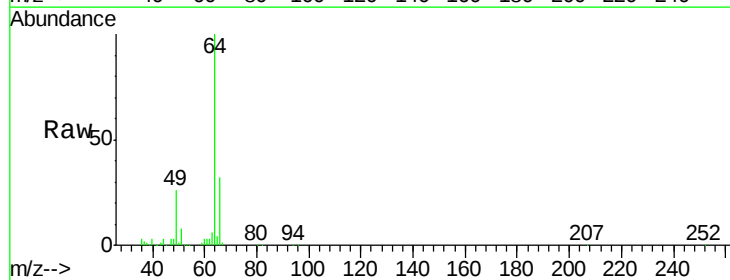
Manual Integrations
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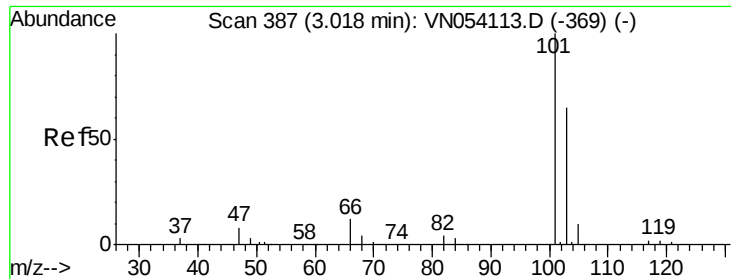
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#6
Chloroethane
Concen: 45.183 ug/l
RT: 2.70 min Scan# 289
Delta R.T. 0.00 min
Lab File: VN054113.D
Acq: 6 Mar 2019 11:29

Tgt Ion	64	66	Ratio	100	31.8	Resp:	233622	Lower	Upper
64	100								
66		31.8						25.4	38.2





#7

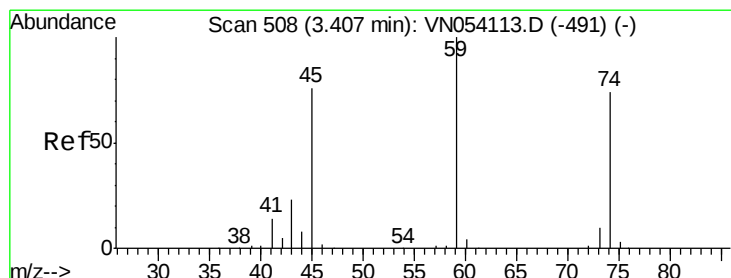
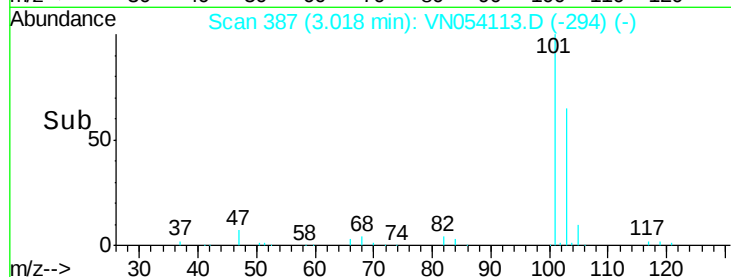
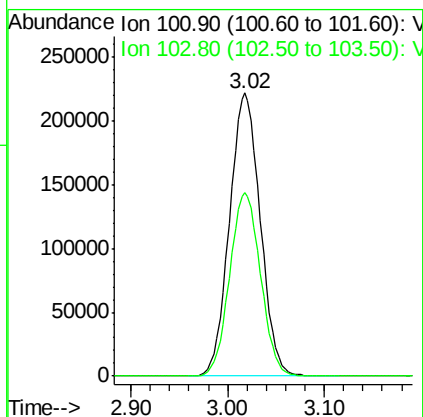
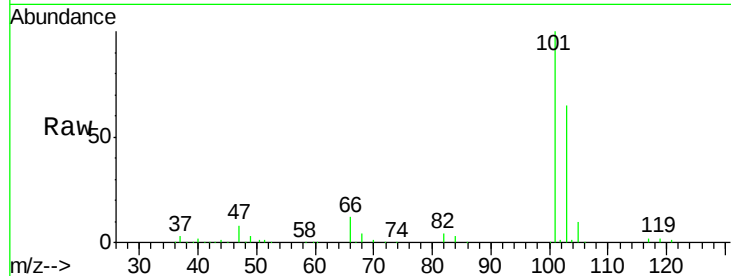
Trichlorofluoromethane
Concen: 46.885 ug/l
RT: 3.02 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN054113.D
Acq: 6 Mar 2019 11:29

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion:101 Resp: 488636
Ion Ratio Lower Upper
101 100
103 65.0 52.0 78.0

Manual Integrations
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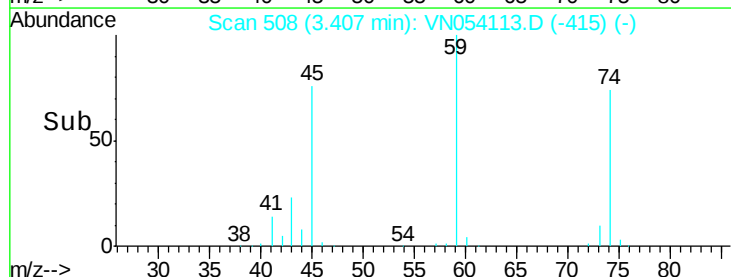
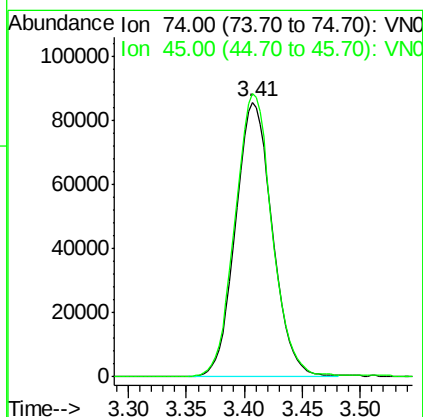
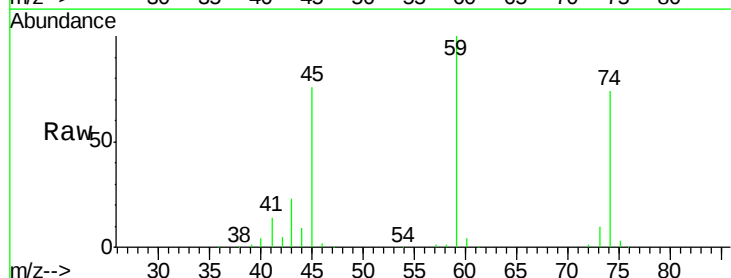
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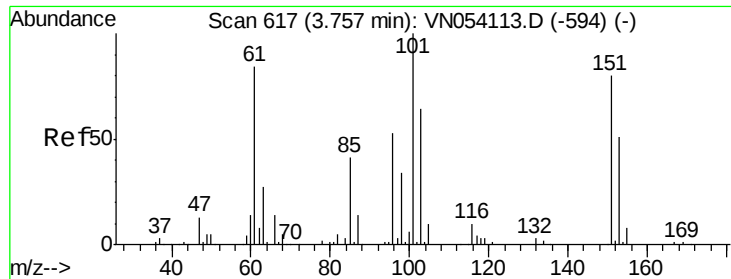


#8

Diethyl Ether
Concen: 45.696 ug/l
RT: 3.41 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN054113.D
Acq: 6 Mar 2019 11:29

Tgt Ion: 74 Resp: 189767
Ion Ratio Lower Upper
74 100
45 103.5 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.750 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN054113.D

Acq: 6 Mar 2019 11:29

Instrument :

MSVOA_N

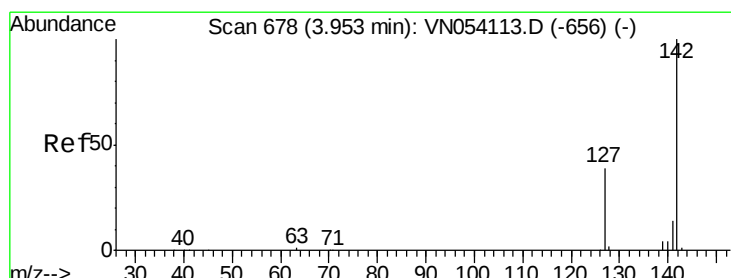
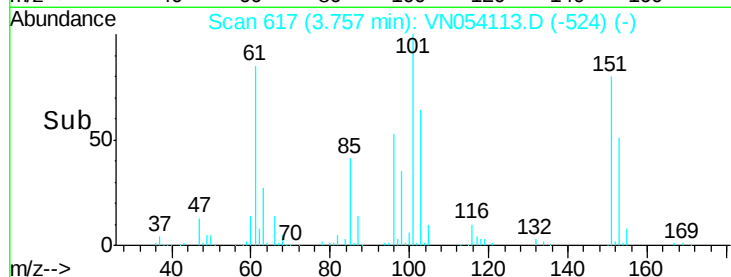
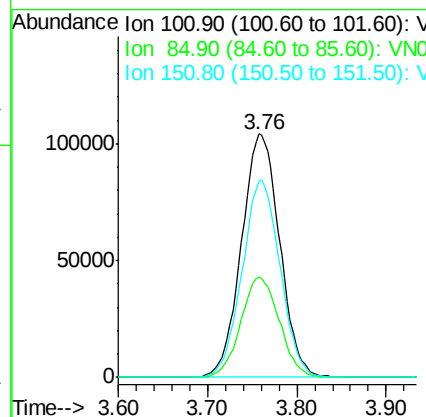
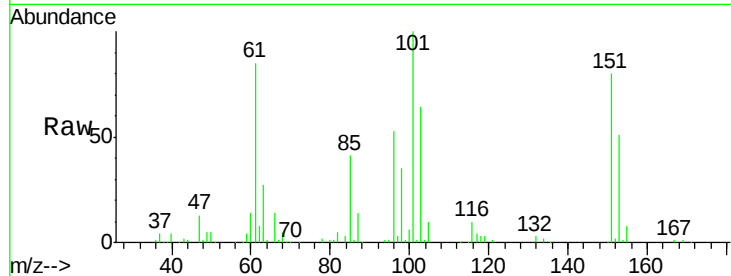
ClientSampled :

VSTDICCC050

Tot Ion:	101	Resp:	310192
Ion Ratio	Lower	Upper	
101	100		
85	41.4	33.1	49.7
151	80.4	64.3	96.5

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#10

Methyl Iodide

Concen: 52.557 ug/l

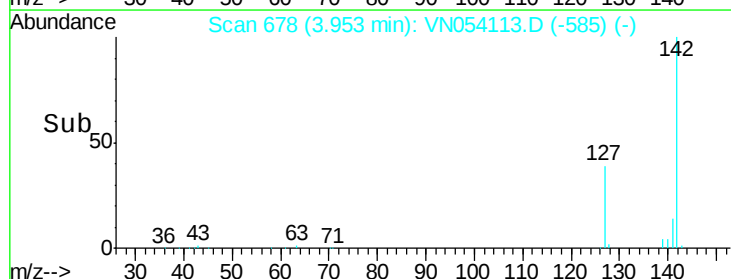
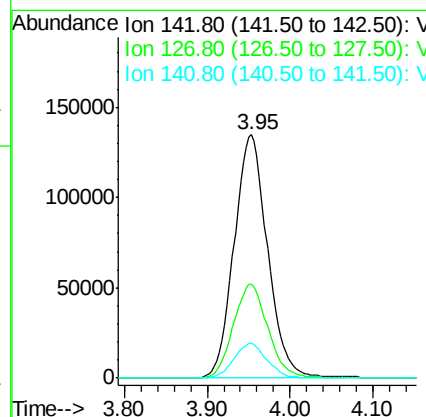
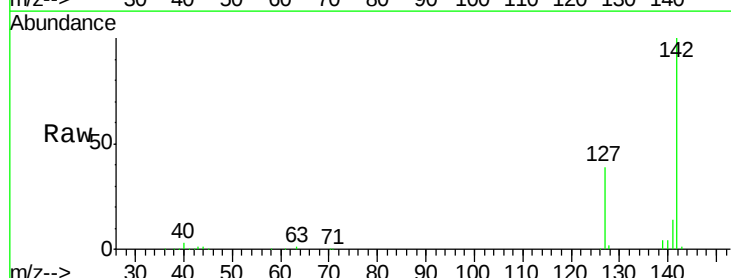
RT: 3.95 min Scan# 678

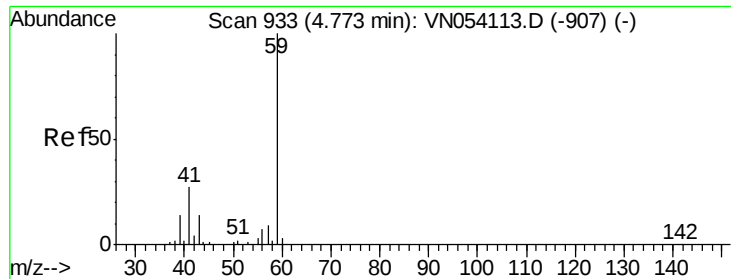
Delta R.T. 0.00 min

Lab File: VN054113.D

Acq: 6 Mar 2019 11:29

Tgt Ion:	142	Resp:	378172
Ion Ratio	Lower	Upper	
142	100		
127	39.9	31.9	47.9
141	14.2	11.4	17.0





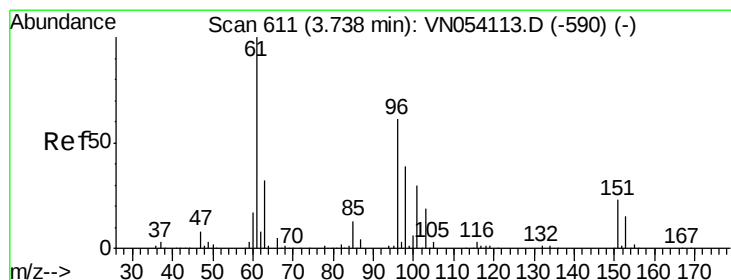
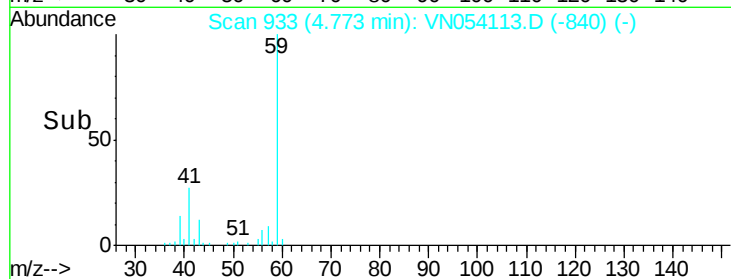
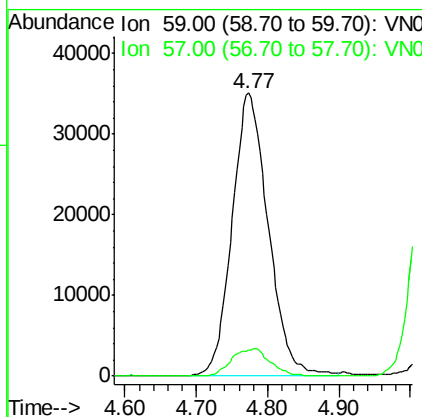
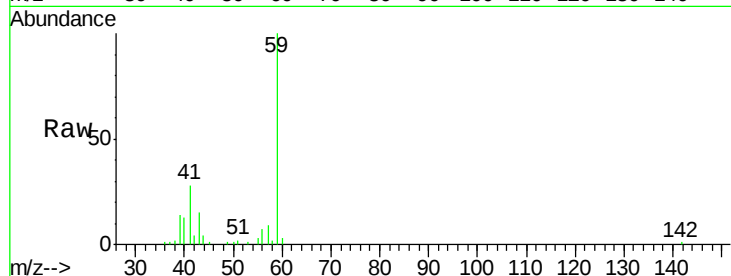
#11
Tert butyl alcohol
Concen: 258.531 ug/l
RT: 4.77 min Scan# 933
Delta R.T. 0.00 min
Lab File: VN054113.D
Acq: 6 Mar 2019 11:29

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.4

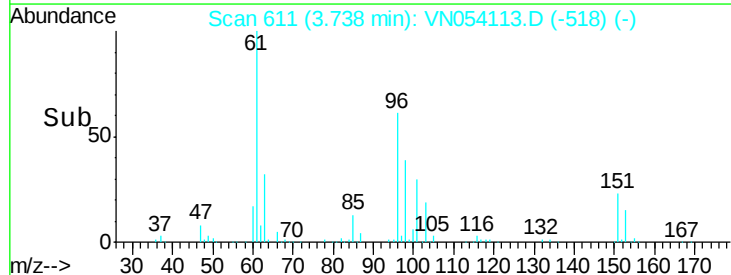
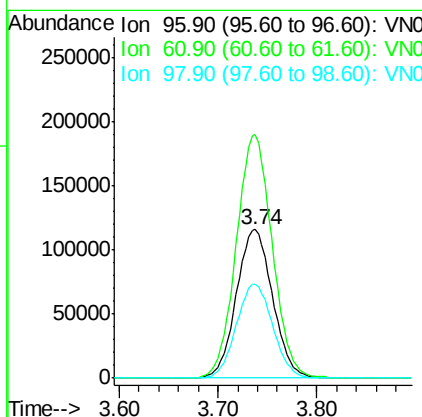
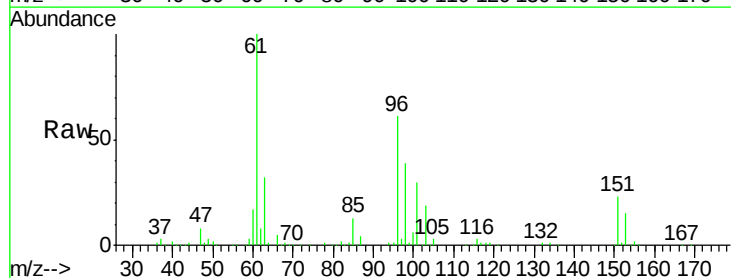
Manual Integrations
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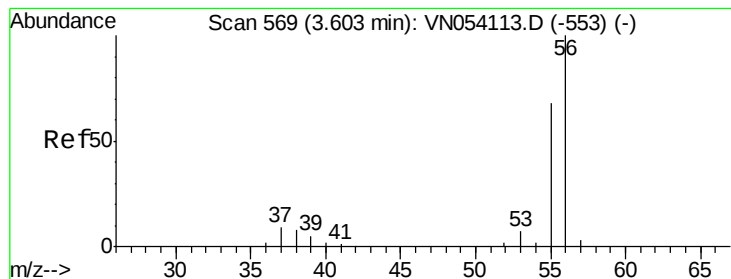
MMDadoda
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#12
1,1-Dichloroethene
Concen: 46.612 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN054113.D
Acq: 6 Mar 2019 11:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.0	131.2	196.8
98	63.4	50.7	76.1





#13

Acrolein

Concen: 238.053 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN054113.D

Acq: 6 Mar 2019 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 100210

Ion Ratio Lower Upper

56 100

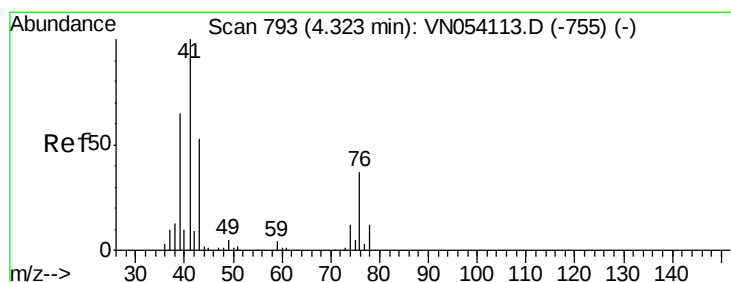
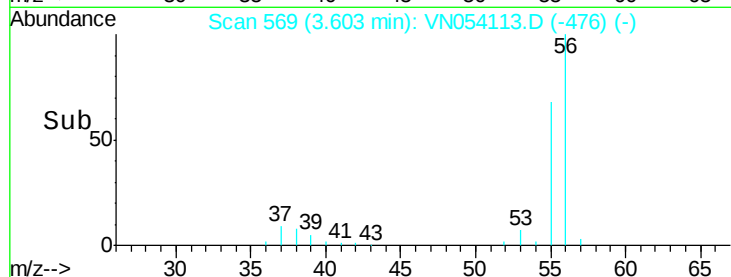
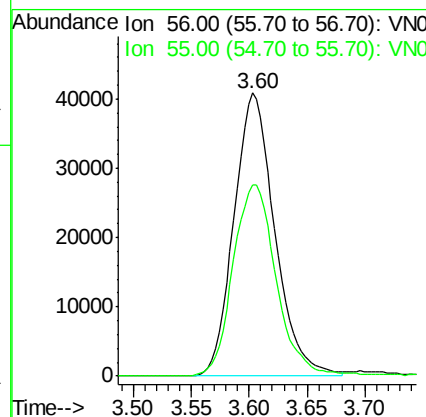
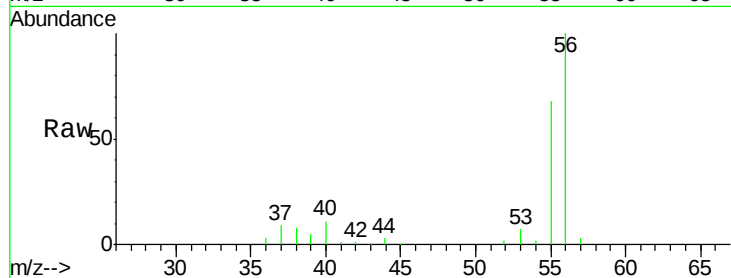
55 71.4 57.1 85.7

Manual Integrations

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#14

Allyl chloride

Concen: 48.019 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN054113.D

Acq: 6 Mar 2019 11:29

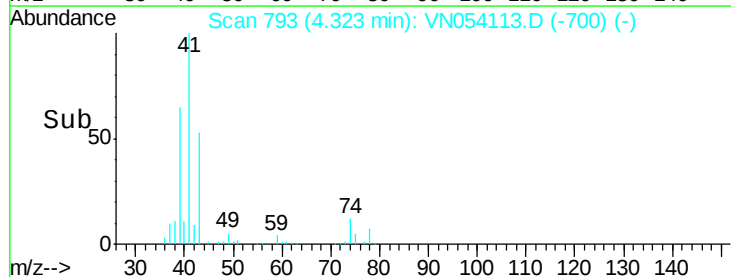
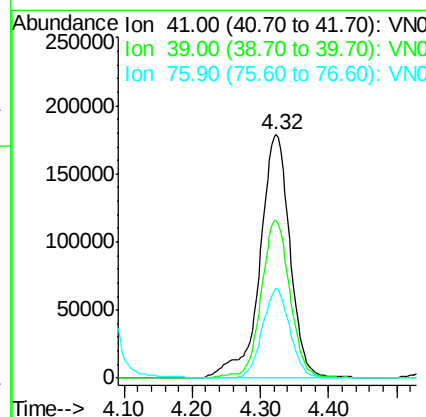
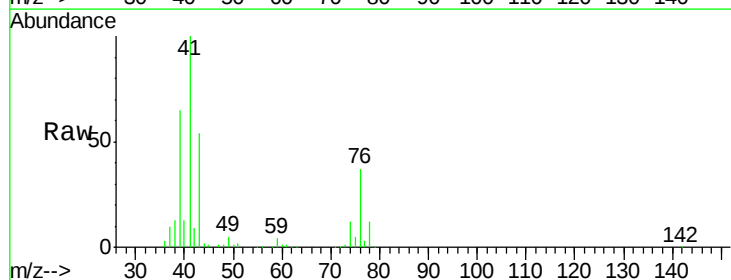
Tgt Ion: 41 Resp: 547266

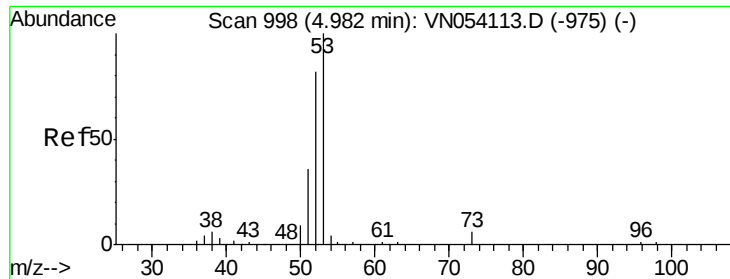
Ion Ratio Lower Upper

41 100

39 61.6 49.3 73.9

76 33.1 26.5 39.7





#15

Acrylonitrile

Concen: 241.558 ug/l

RT: 4.98 min Scan# 998

Delta R.T. 0.00 min

Lab File: VN054113.D

Acq: 6 Mar 2019 11:29

Instrument :

MSVOA_N

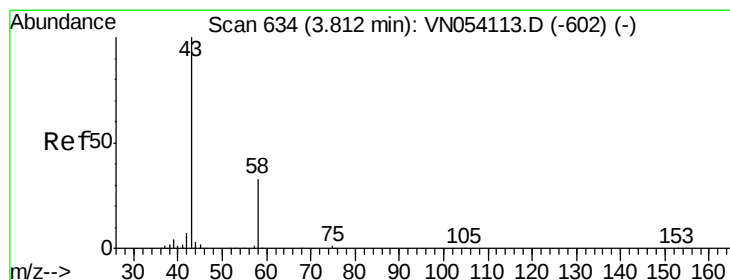
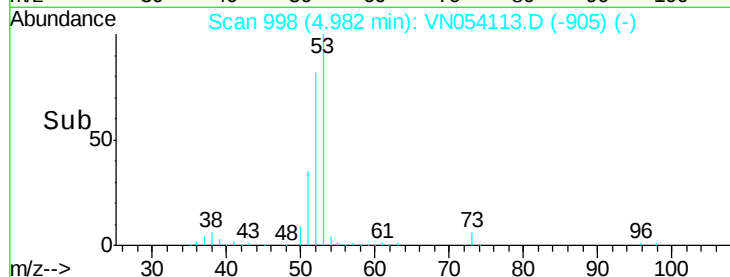
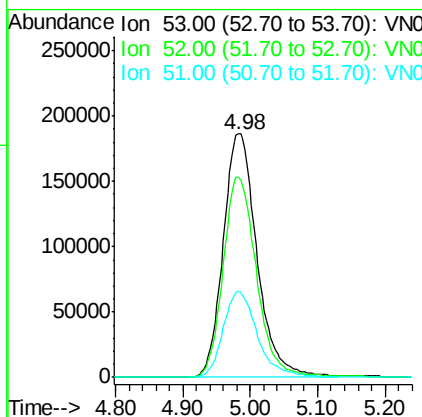
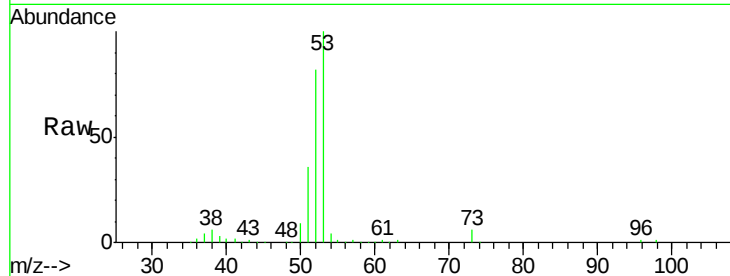
ClientSampled :

VSTDICCC050

Tot Ion:	53	Resp:	652629
Ion	Ratio	Lower	Upper
53	100		
52	80.8	64.6	97.0
51	35.7	28.6	42.8

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#16

Acetone

Concen: 228.887 ug/l

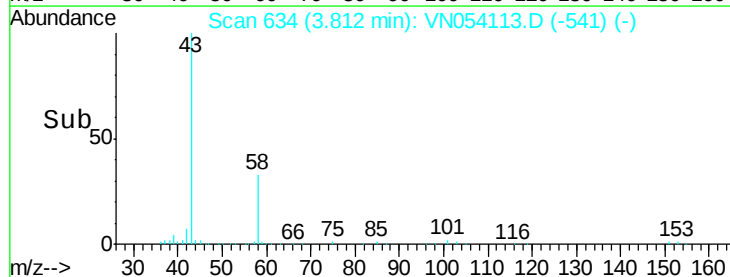
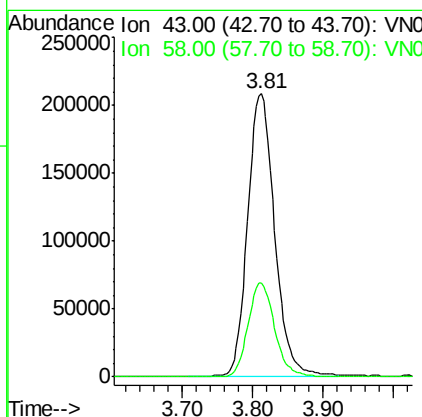
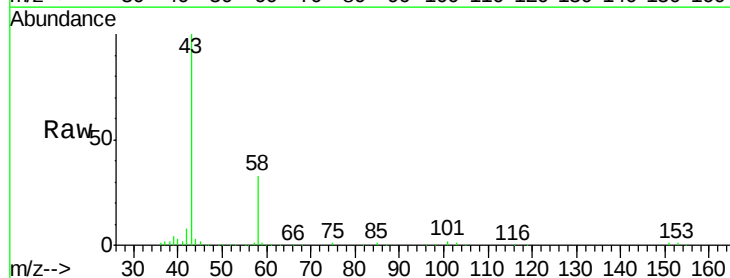
RT: 3.81 min Scan# 634

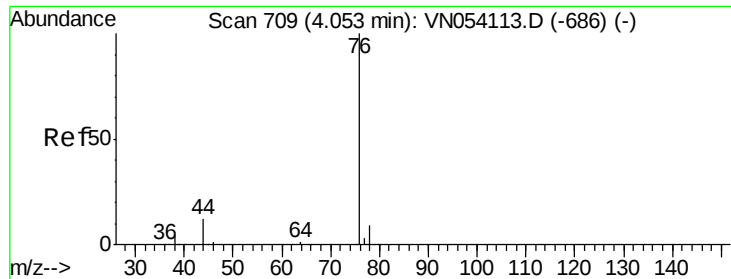
Delta R.T. 0.00 min

Lab File: VN054113.D

Acq: 6 Mar 2019 11:29

Tgt Ion:	43	Resp:	557160
Ion	Ratio	Lower	Upper
43	100		
58	33.1	26.5	39.7





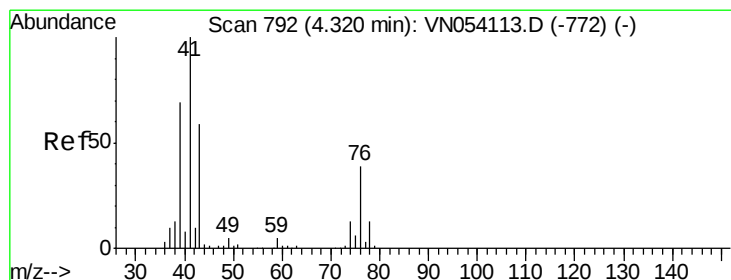
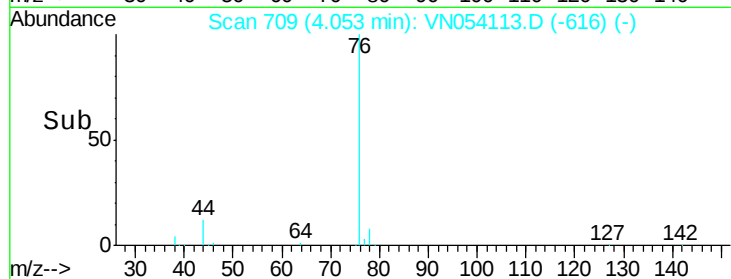
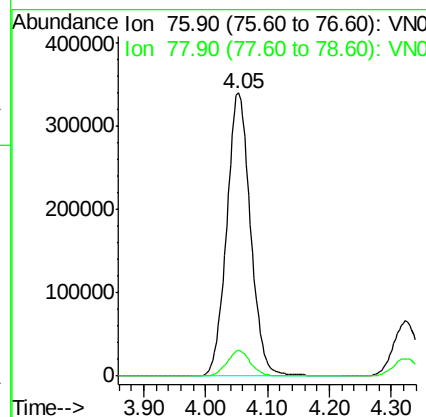
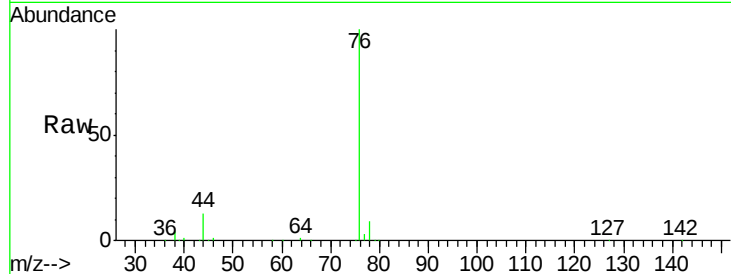
#17
Carbon Disulfide
Concen: 43.957 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN054113.D
Acq: 6 Mar 2019 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

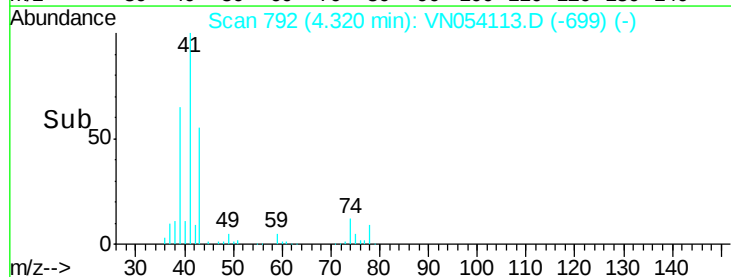
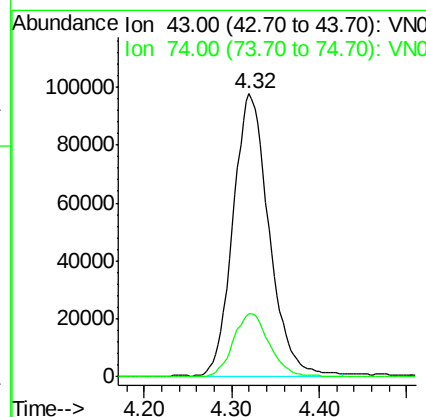
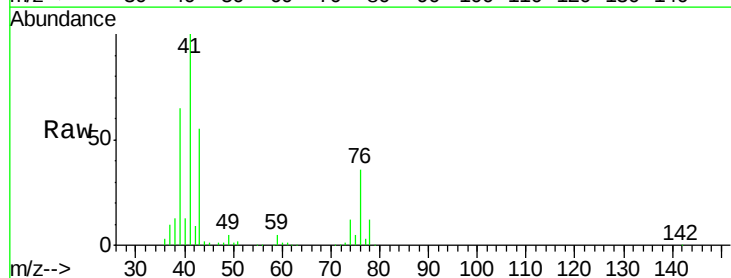
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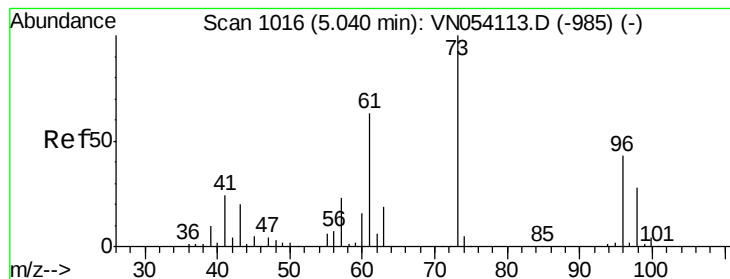
MMDadoda
3/7/2019 11:38:06 AM



#18
Methyl Acetate
Concen: 44.708 ug/l
RT: 4.32 min Scan# 792
Delta R.T. 0.00 min
Lab File: VN054113.D
Acq: 6 Mar 2019 11:29

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.7	18.2	27.2





#19

Methyl tert-butyl Ether

Concen: 48.150 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN054113.D

Acq: 6 Mar 2019 11:29

Tot Ion: 73 Resp: 854719

Ion Ratio Lower Upper

73 100

57 22.8 18.2 27.4

Instrument :

MSVOA_N

ClientSampled :

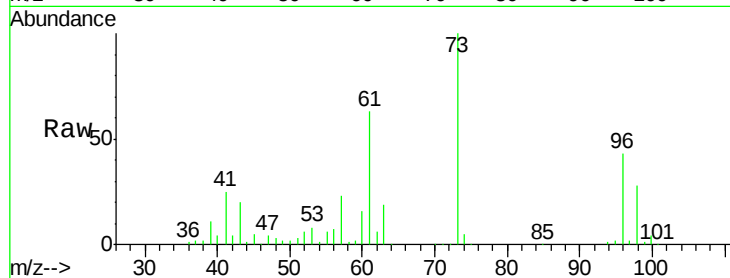
VSTDICCC050

Manual Integrations

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Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

250000

200000

150000

100000

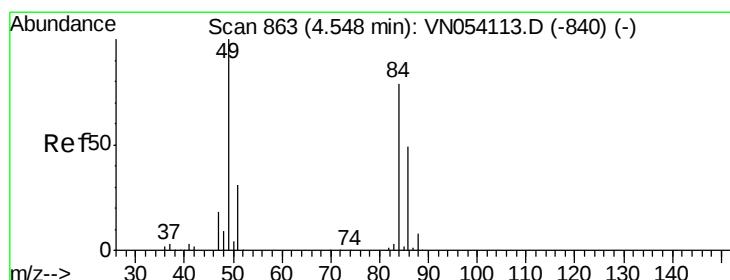
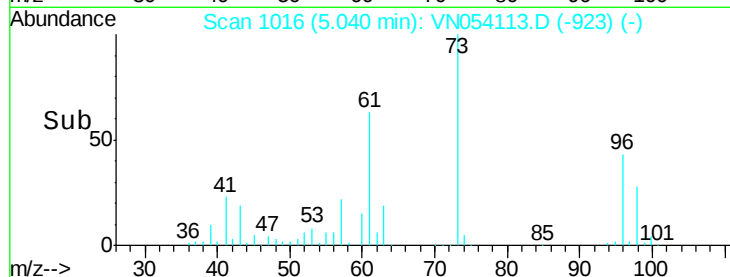
50000

0

Time-->

4.90 5.00 5.10 5.20

5.04



#20

Methylene Chloride

Concen: 44.681 ug/l

RT: 4.55 min Scan# 863

Delta R.T. 0.00 min

Lab File: VN054113.D

Acq: 6 Mar 2019 11:29

Tgt Ion: 84 Resp: 345609

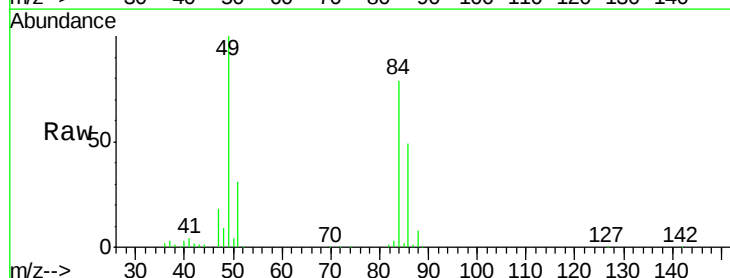
Ion Ratio Lower Upper

84 100

49 127.3 101.8 152.8

51 38.9 31.1 46.7

86 62.1 49.7 74.5



Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

200000

150000

100000

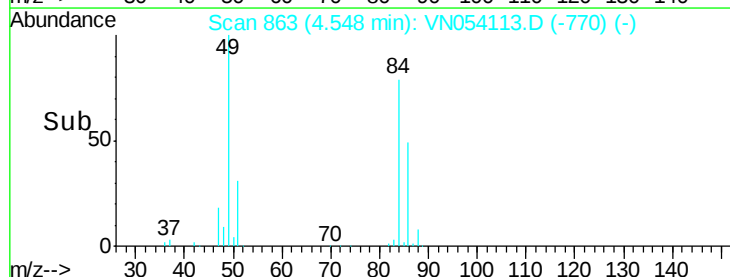
50000

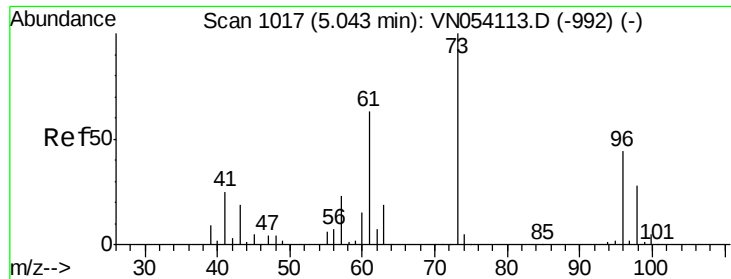
0

Time-->

4.40 4.50 4.60 4.70

4.55





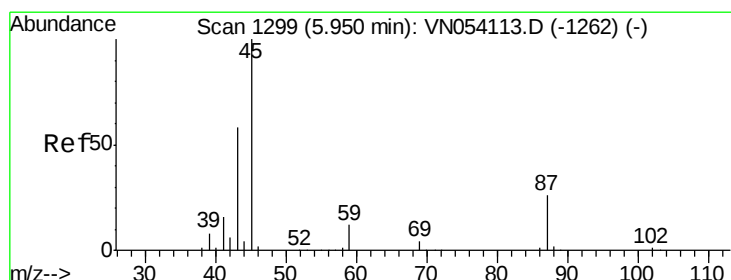
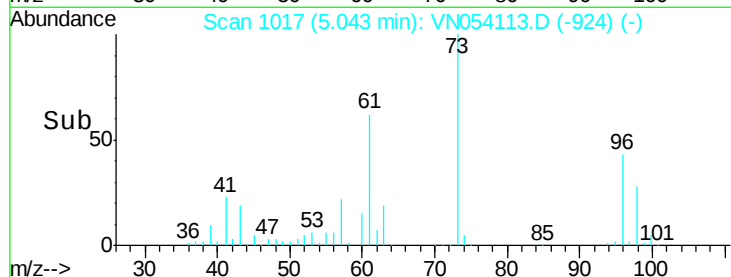
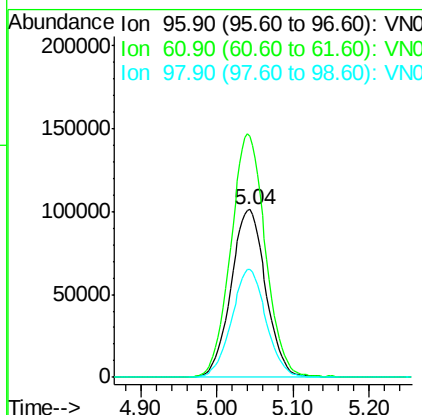
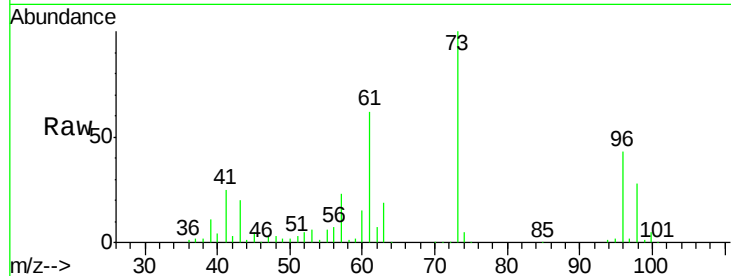
#21
trans-1,2-Dichloroethene
Concen: 46.287 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN054113.D
Acq: 6 Mar 2019 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.5	114.8	172.2
98	64.2	51.4	77.0

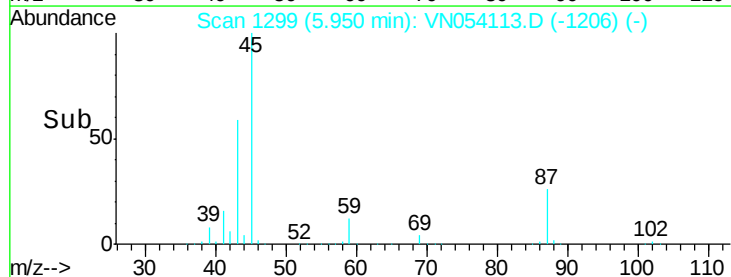
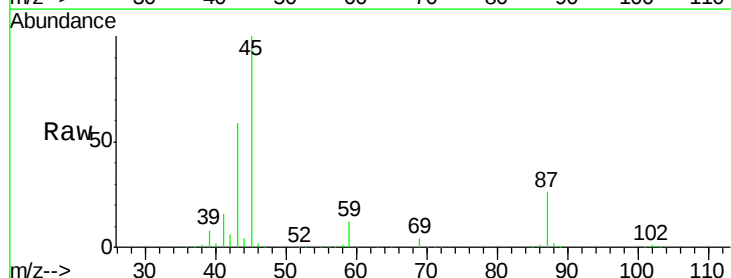
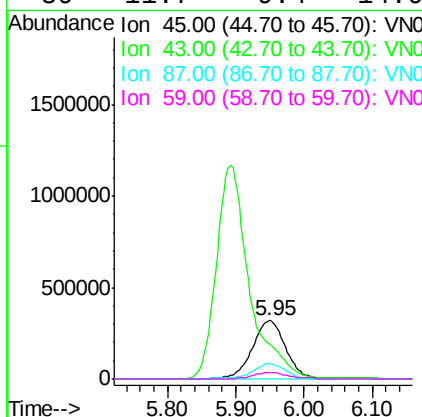
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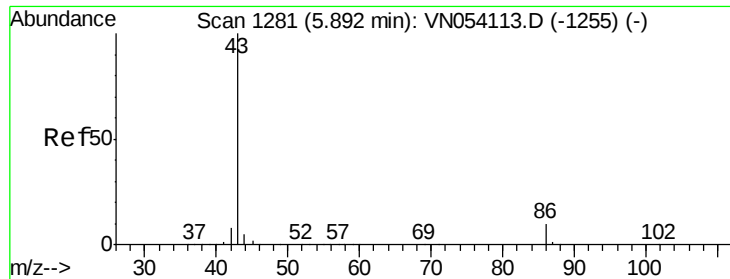
MMDadoda
3/7/2019 11:38:06 AM



#22
Diisopropyl ether
Concen: 49.273 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN054113.D
Acq: 6 Mar 2019 11:29

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.8	46.2	69.4
87	25.8	20.6	31.0
59	11.7	9.4	14.0





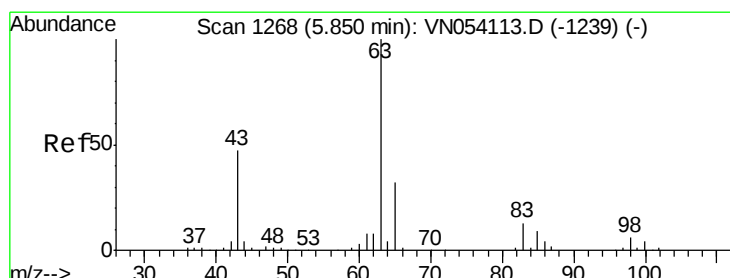
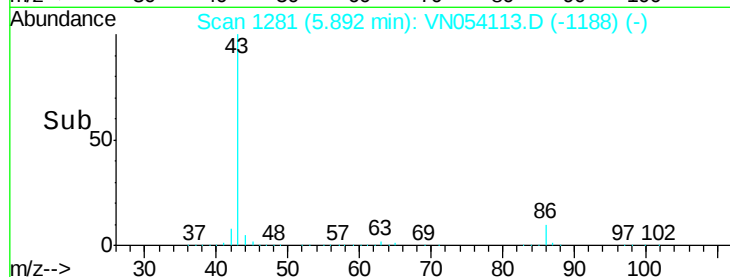
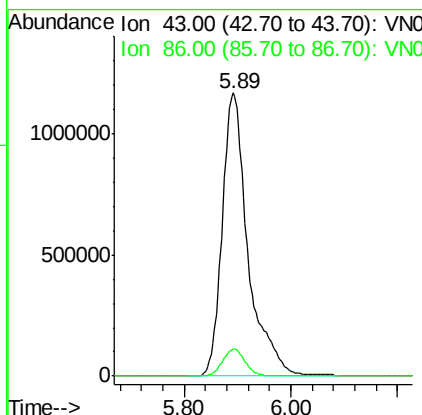
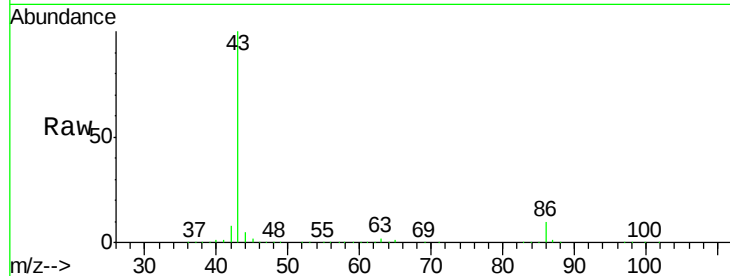
#23
 Vinyl Acetate
 Concen: 249.554 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. 0.00 min
 Lab File: VN054113.D
 Acq: 6 Mar 2019 11:29

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion: 43 Resp: 3936345
 Ion Ratio Lower Upper
 43 100
 86 9.8 7.8 11.8

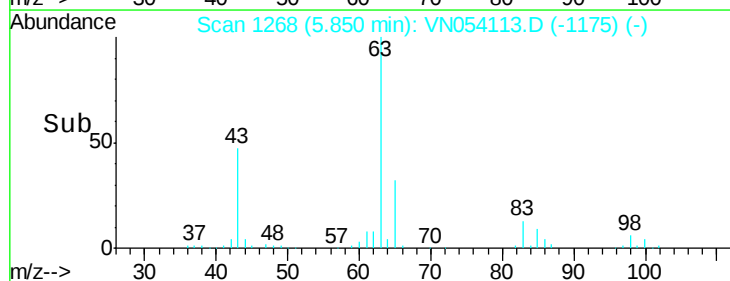
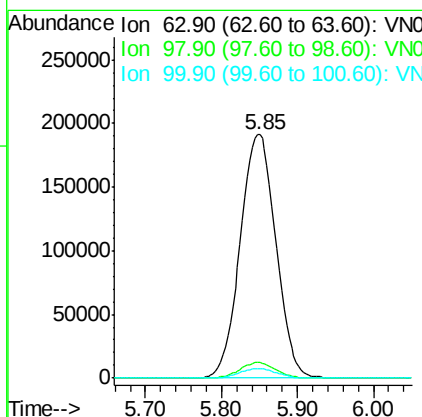
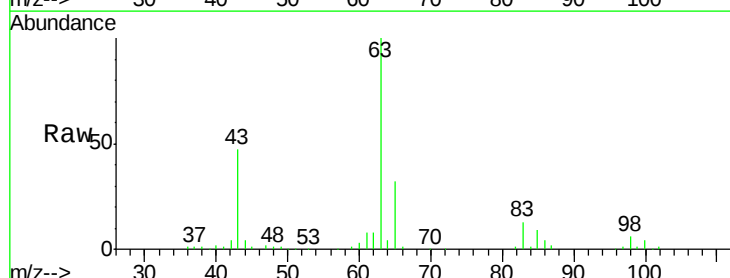
Manual Integrations
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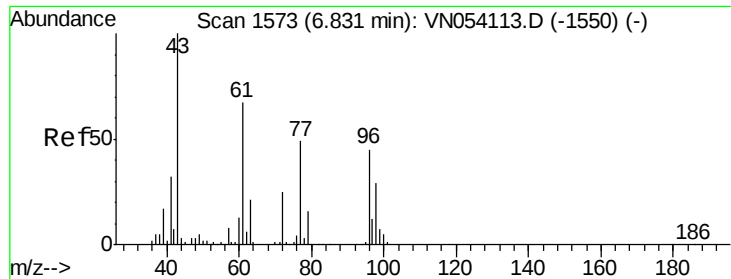
MMDadoda
 3/7/2019 11:38:06 AM



#24
 1,1-Dichloroethane
 Concen: 46.979 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN054113.D
 Acq: 6 Mar 2019 11:29

Tgt Ion: 63 Resp: 624135
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.1 9.4
 100 4.0 2.0 6.0





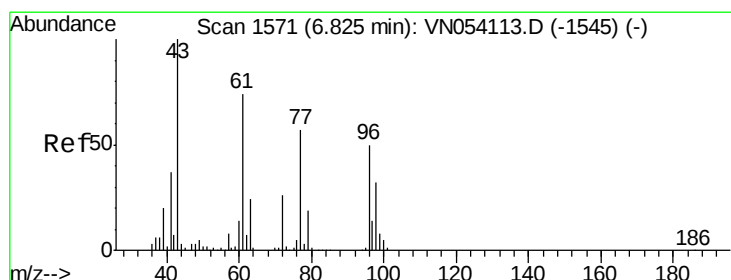
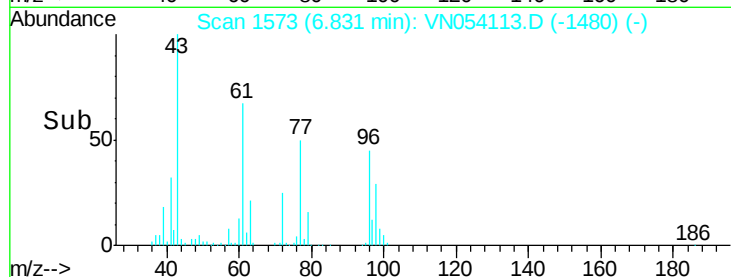
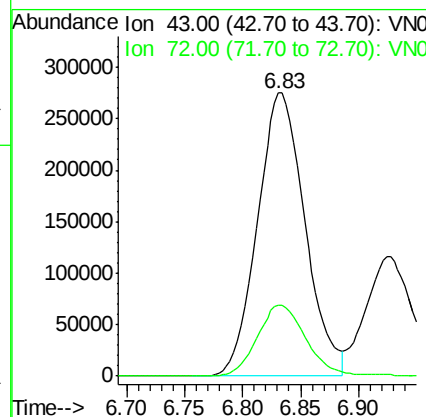
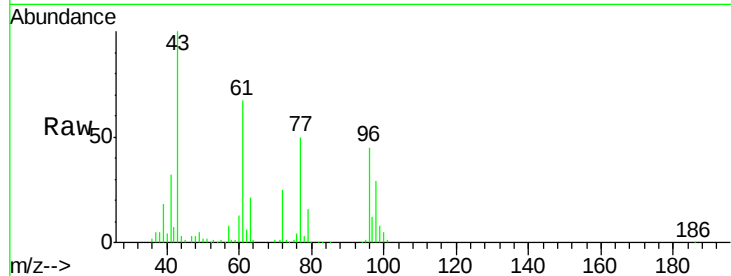
#25
2-Butanone
Concen: 241.996 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN054113.D
Acq: 6 Mar 2019 11:29

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 43 Resp: 780218
Ion Ratio Lower Upper
43 100
72 25.2 20.2 30.2

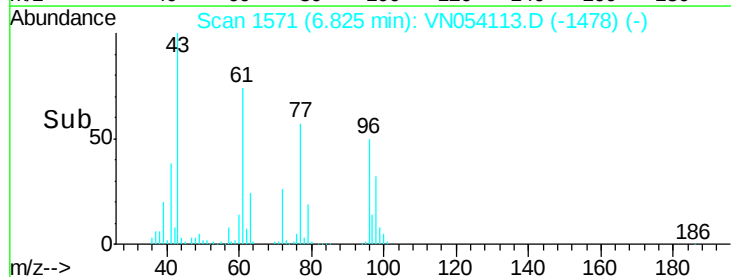
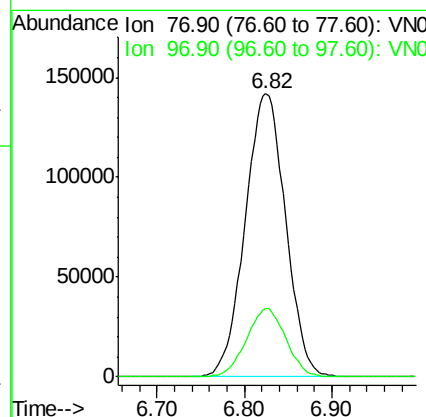
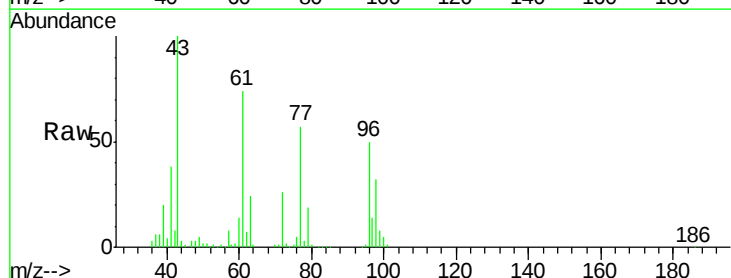
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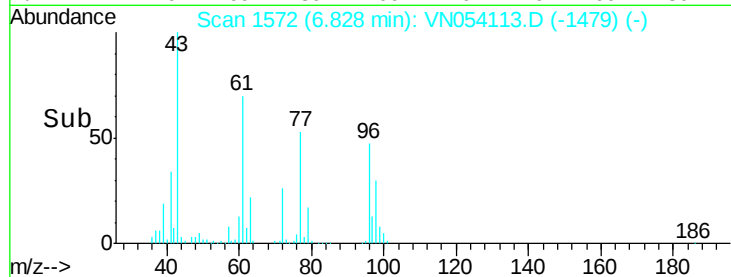
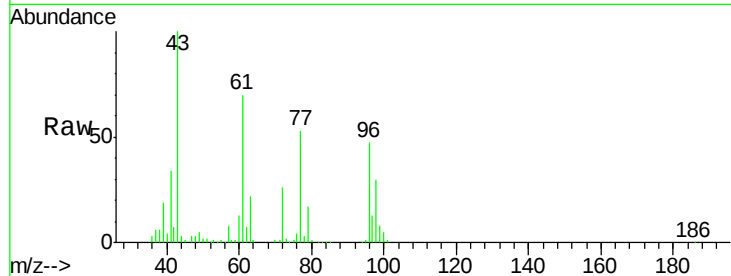
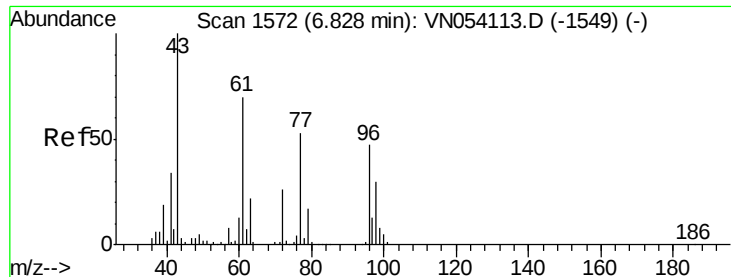
MMDadoda
3/7/2019 11:38:06 AM



#26
2,2-Dichloropropane
Concen: 47.487 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN054113.D
Acq: 6 Mar 2019 11:29

Tgt Ion: 77 Resp: 454722
Ion Ratio Lower Upper
77 100
97 23.5 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 47.480 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054113.D

Acq: 6 Mar 2019 11:29

Tot Ion:	96	Resp:	367632
Ion	Ratio	Lower	Upper
96	100		
61	148.5	0.0	297.0
98	64.7	0.0	129.4

Instrument :

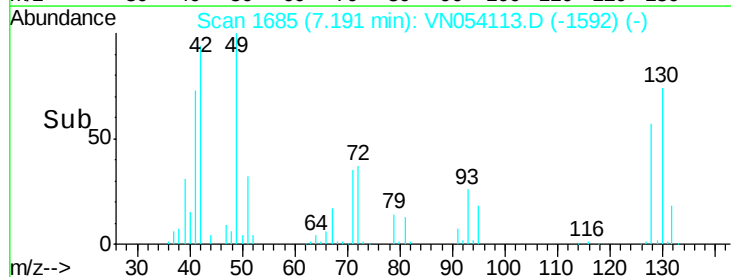
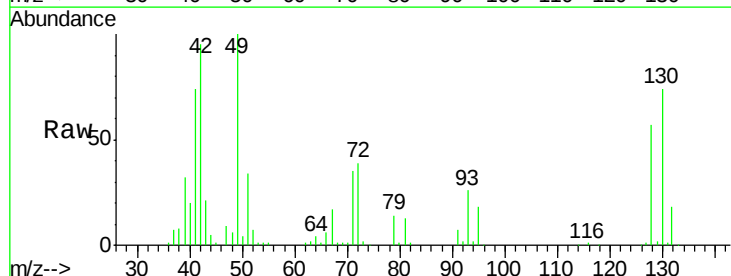
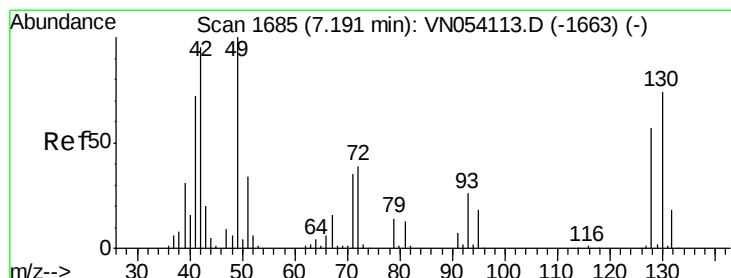
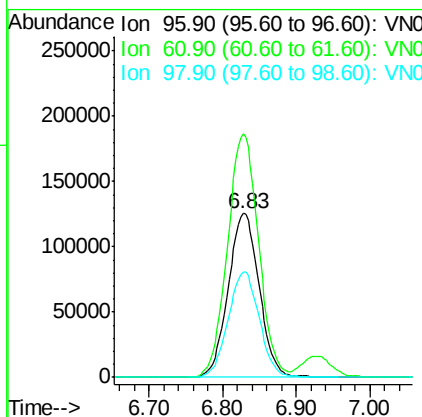
MSVOA_N

ClientSampleId :

VSTDICCC050

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#28

Bromochloromethane

Concen: 48.260 ug/l

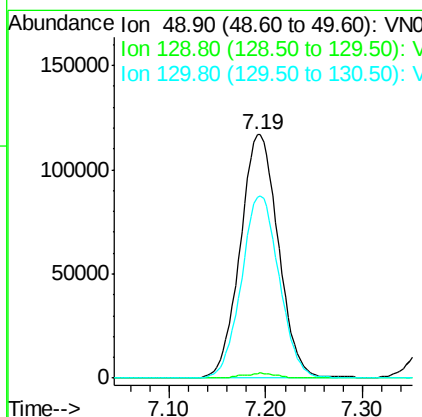
RT: 7.19 min Scan# 1685

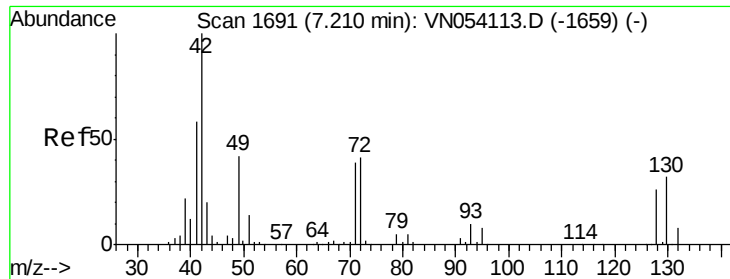
Delta R.T. 0.00 min

Lab File: VN054113.D

Acq: 6 Mar 2019 11:29

Tgt Ion:	49	Resp:	320020
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	74.3	59.4	89.2





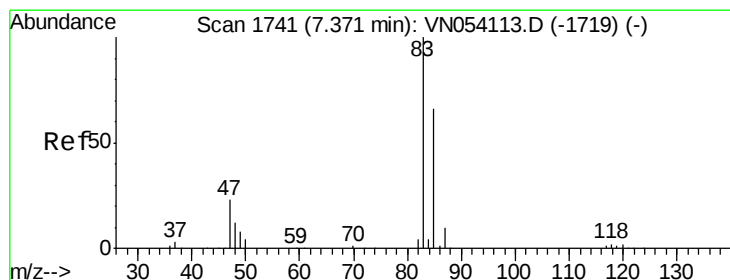
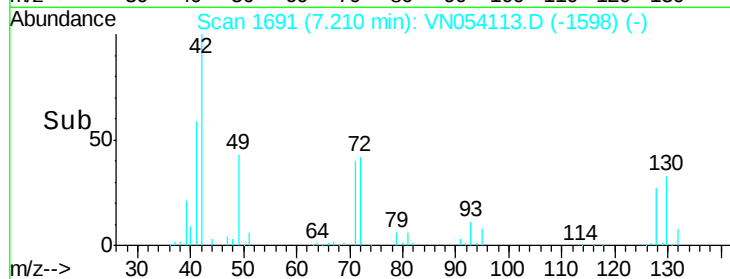
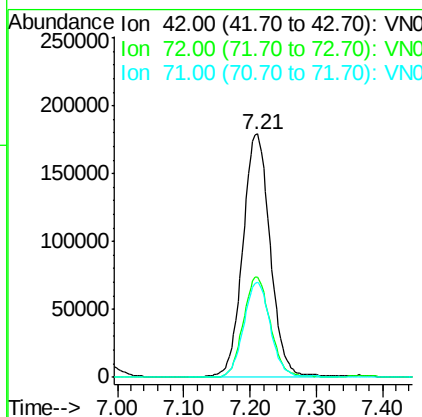
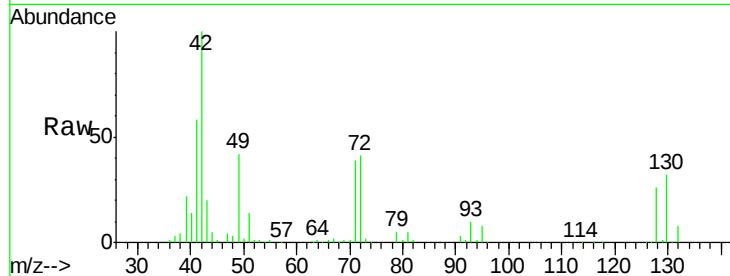
#29
Tetrahydrofuran
Concen: 242.785 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN054113.D
Acq: 6 Mar 2019 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.0	32.8	49.2
71	38.1	30.5	45.7

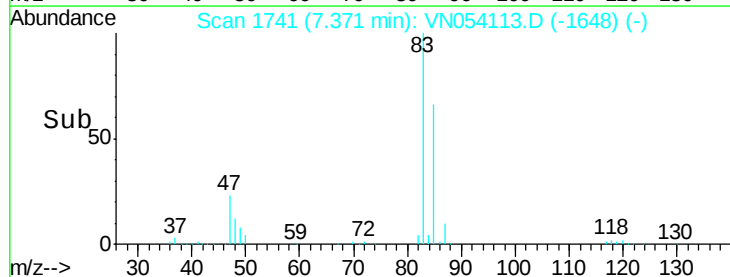
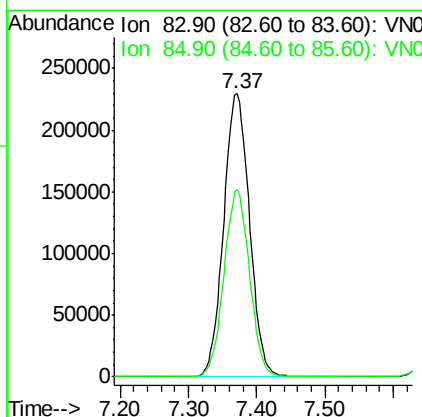
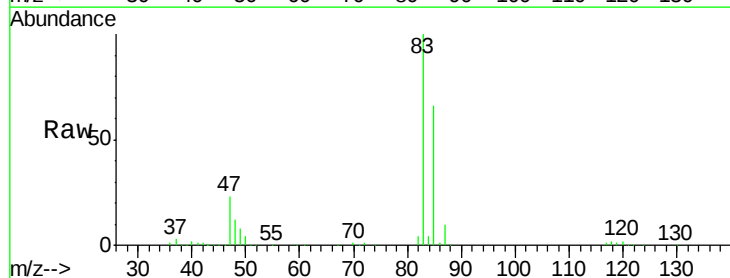
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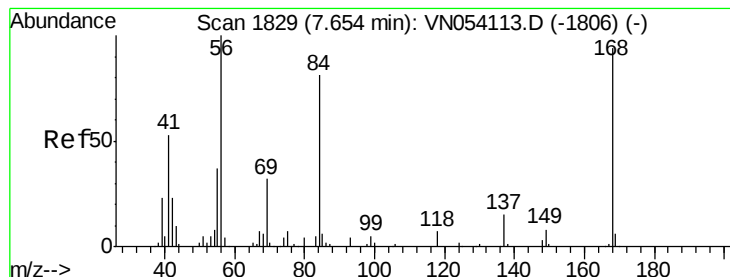
MMDadoda
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#30
Chloroform
Concen: 47.530 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054113.D
Acq: 6 Mar 2019 11:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	53.1	79.7





#31

Cyclohexane

Concen: 40.326 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN054113.D

Acq: 6 Mar 2019 11:29

Instrument :

MSVOA_N

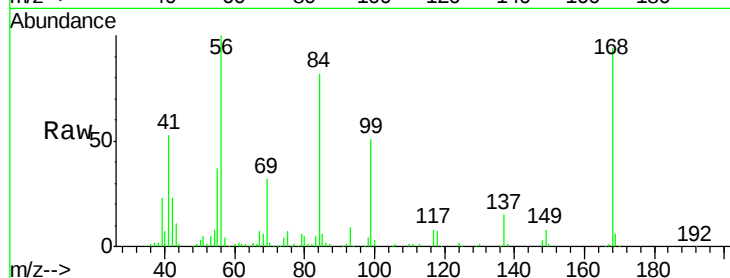
ClientSampled :

VSTDICCC050

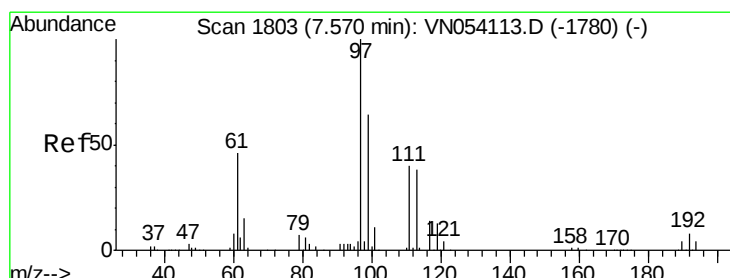
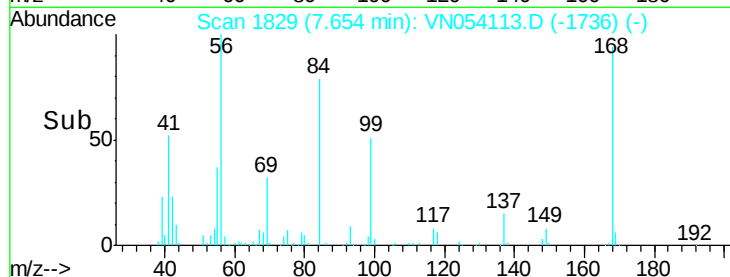
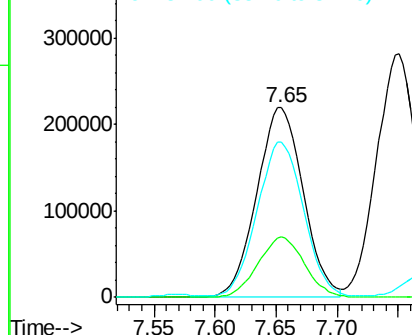
Tot Ion:	56	Resp:	581687
Ion Ratio	Lower	Upper	
56	100		
69	31.9	25.5	38.3
84	80.6	64.5	96.7

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



#32

1,1,1-Trichloroethane

Concen: 47.240 ug/l

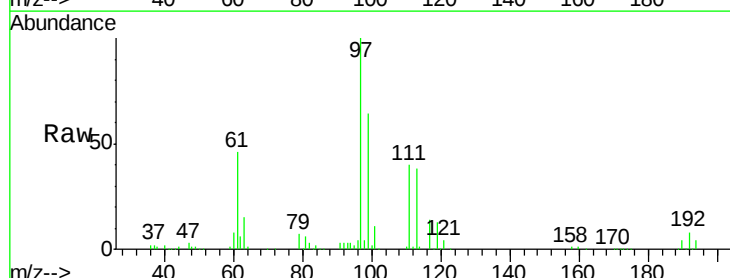
RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

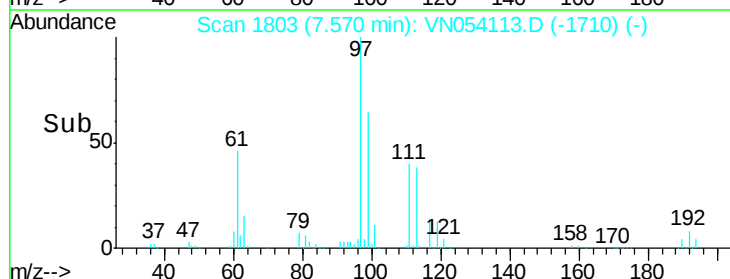
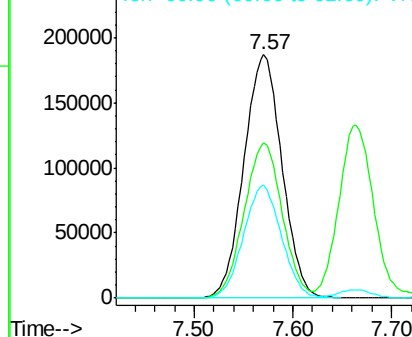
Lab File: VN054113.D

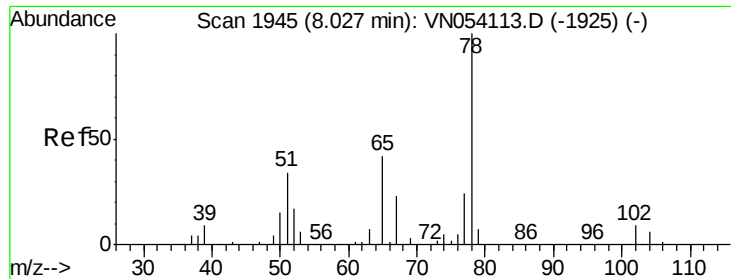
Acq: 6 Mar 2019 11:29

Tgt Ion:	97	Resp:	498586
Ion Ratio	Lower	Upper	
97	100		
99	64.0	51.2	76.8
61	46.4	37.1	55.7



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





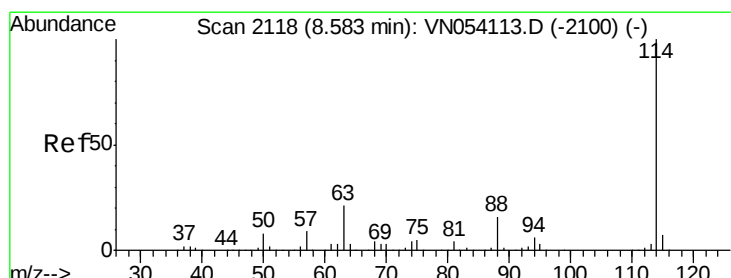
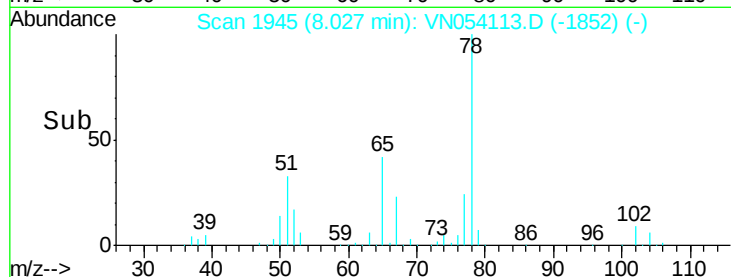
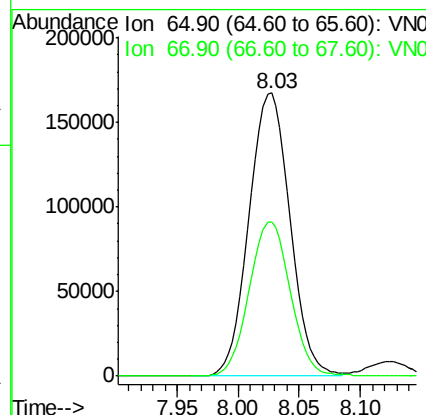
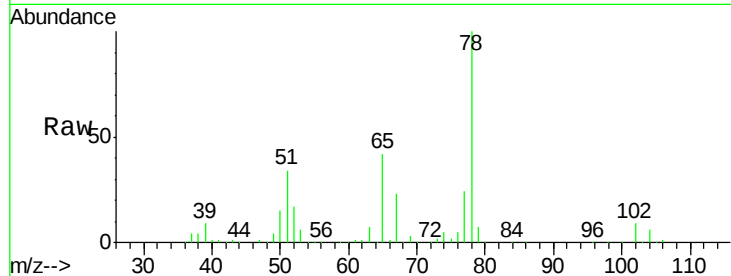
#33
 1,2-Dichloroethane-d4
 Concen: 49.541 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054113.D
 Acq: 6 Mar 2019 11:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	389774		
67	54.8	0.0	109.6	

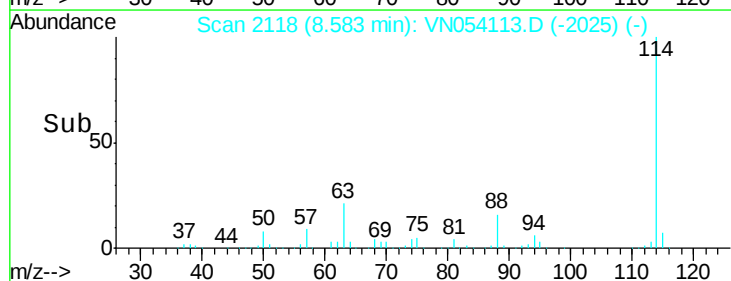
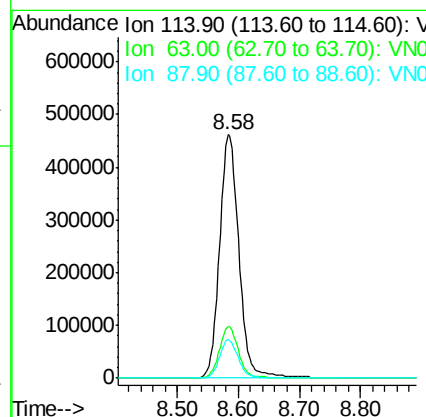
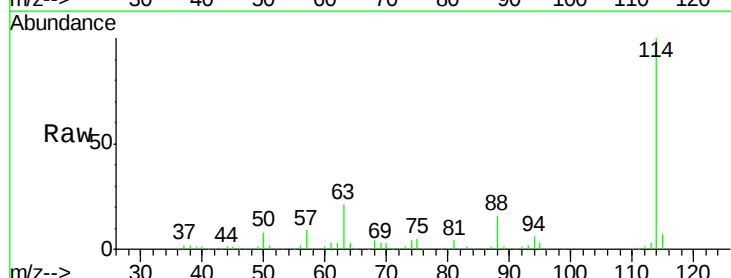
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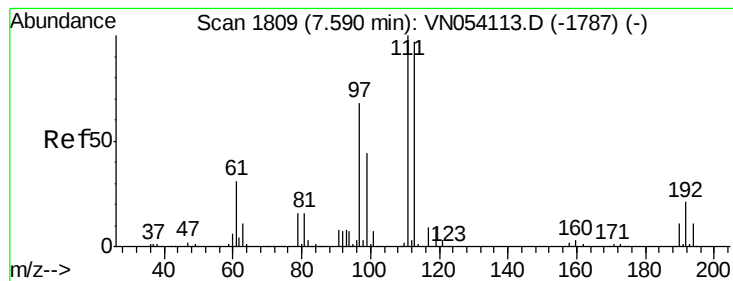
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN054113.D
 Acq: 6 Mar 2019 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1018955		
63	21.3	0.0	42.6	
88	15.9	0.0	31.8	





#35

Dibromofluoromethane

Concen: 51.087 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054113.D

Acq: 6 Mar 2019 11:29

Instrument :

MSVOA_N

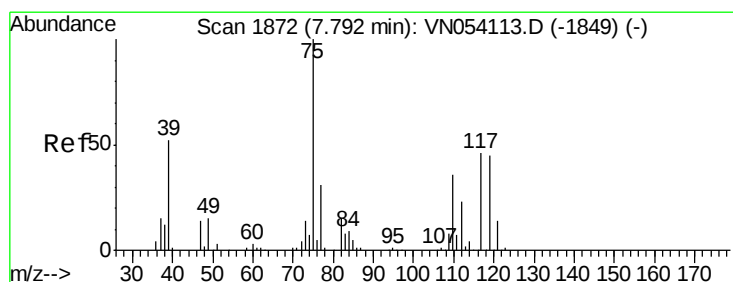
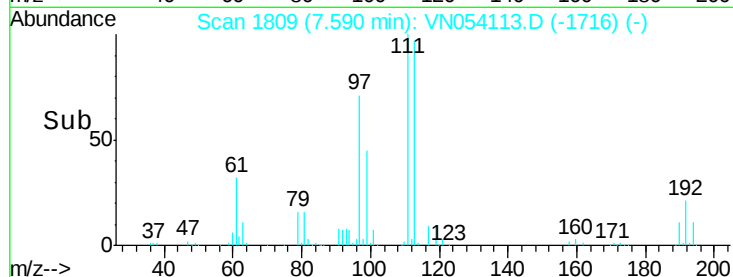
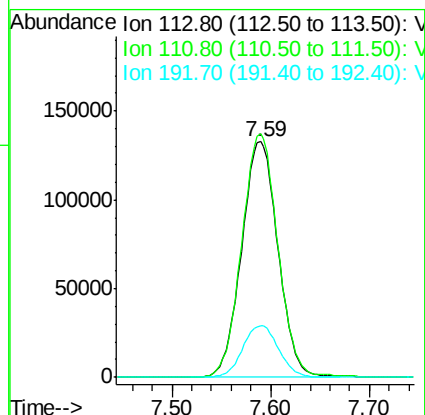
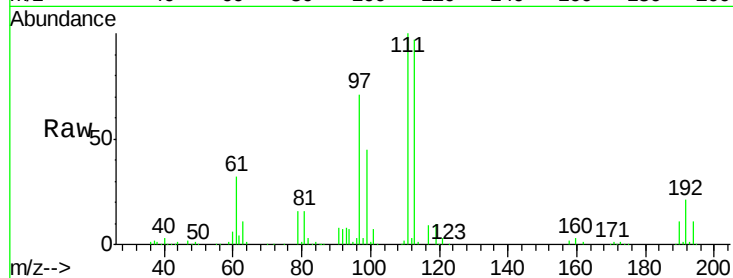
ClientSampleId :

VSTDICCC050

Tot Ion:	113	Resp:	338088
Ion Ratio	Lower	Upper	
113	100		
111	102.6	82.1	123.1
192	21.7	17.4	26.0

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#36

1,1-Dichloropropene

Concen: 48.384 ug/l

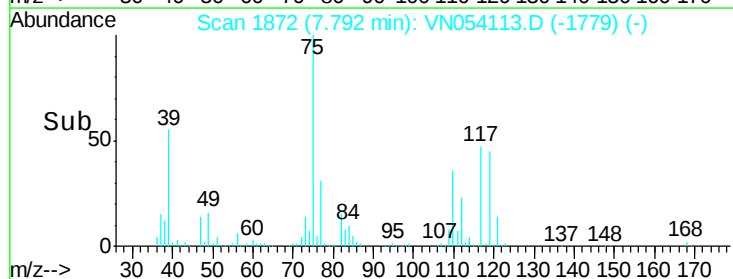
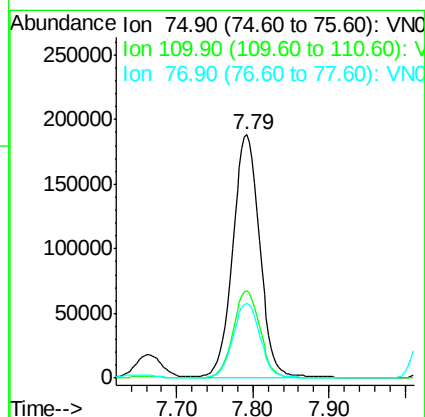
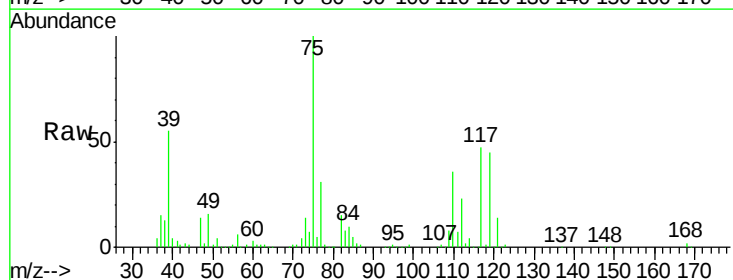
RT: 7.79 min Scan# 1872

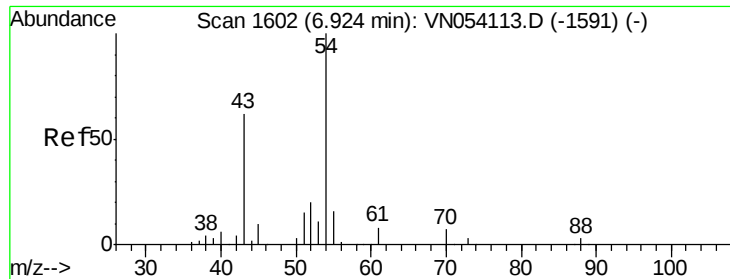
Delta R.T. 0.00 min

Lab File: VN054113.D

Acq: 6 Mar 2019 11:29

Tgt Ion:	75	Resp:	462750
Ion Ratio	Lower	Upper	
75	100		
110	36.0	18.0	54.0
77	31.6	25.3	37.9





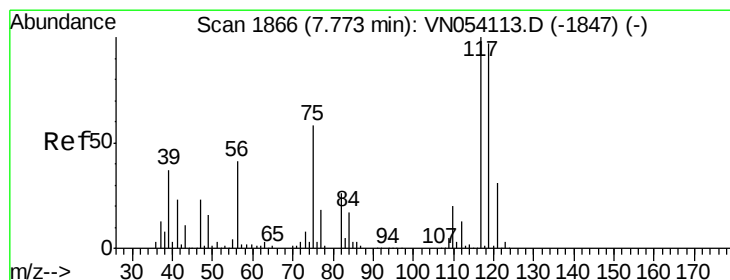
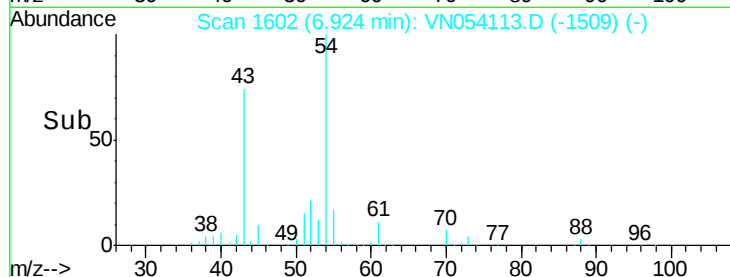
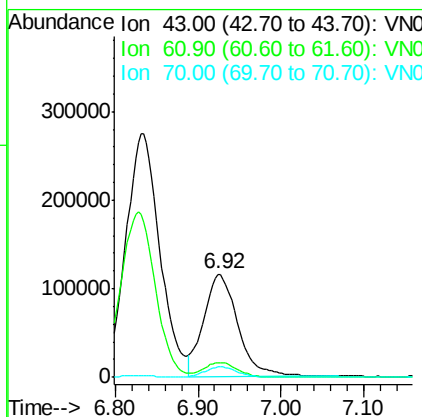
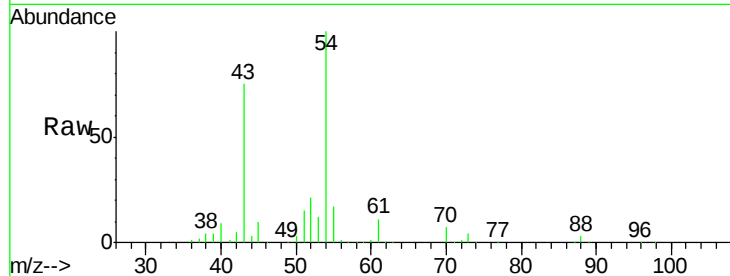
#37
Ethyl Acetate
Concen: 48.325 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VN054113.D
Acq: 6 Mar 2019 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	43	61	70
Ratio	100	13.9	9.5
Lower		11.1	7.6
Upper		16.7	11.4

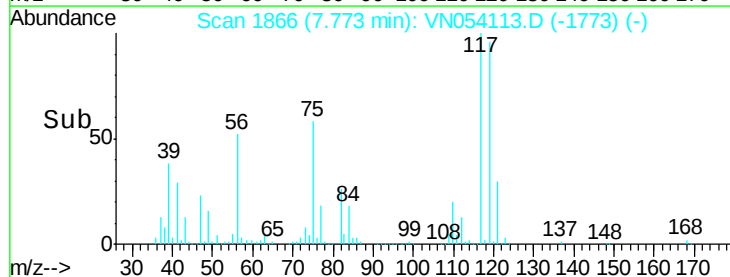
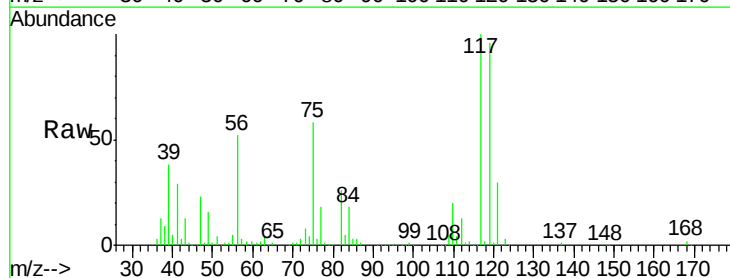
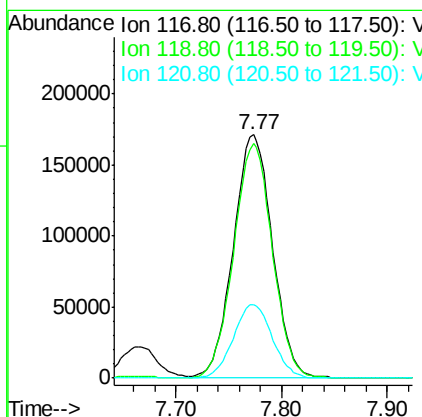
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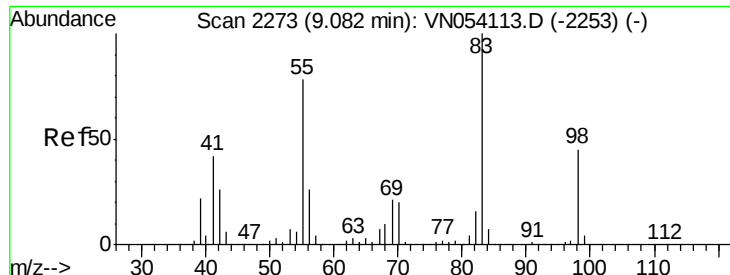
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#38
Carbon Tetrachloride
Concen: 48.067 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054113.D
Acq: 6 Mar 2019 11:29

Tgt Ion	117	119	121
Ratio	100	96.3	30.4
Lower		77.0	24.3
Upper		115.6	36.5





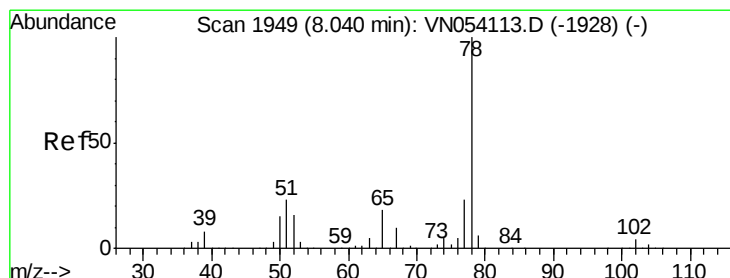
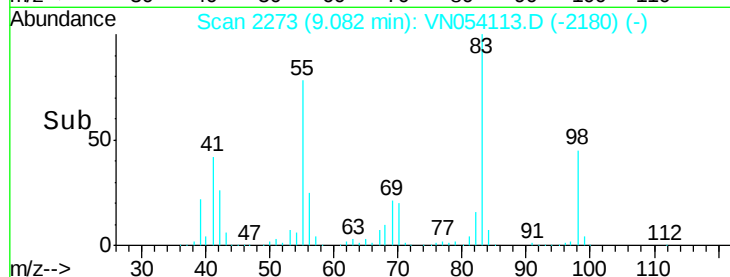
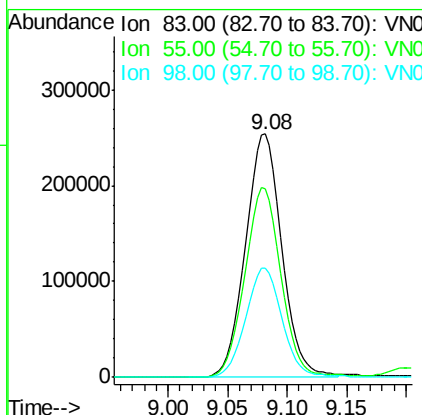
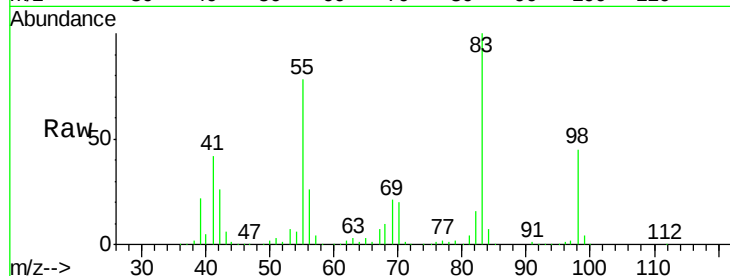
#39
Methvlcvclohexane
Concen: 48.742 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN054113.D
Acq: 6 Mar 2019 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	83	Resp	537999
Ion Ratio	100	Lower	Upper
83	100		
55	77.6	62.1	93.1
98	45.0	36.0	54.0

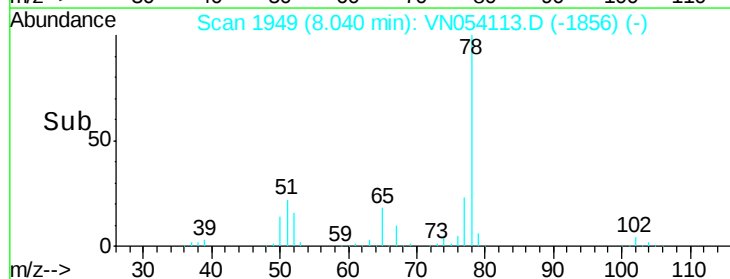
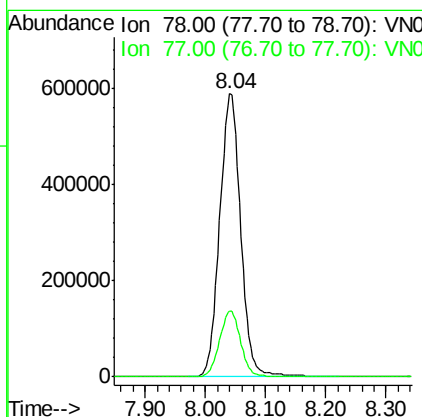
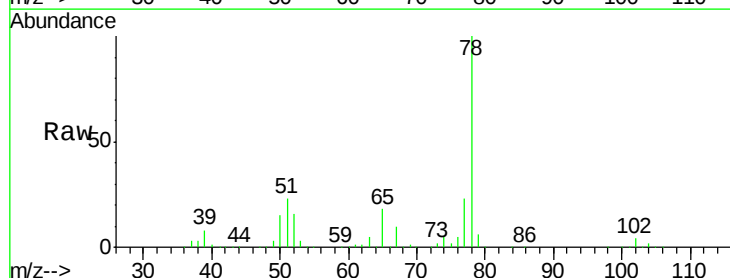
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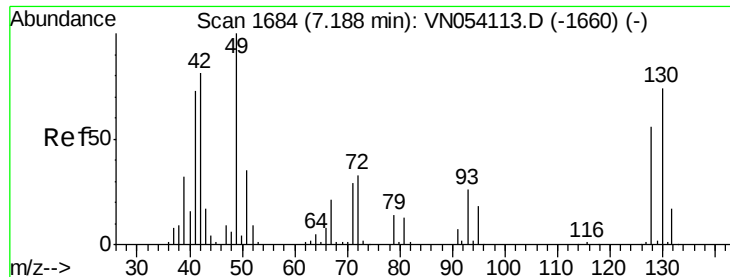
MMDadoda
3/7/2019 11:38:06 AM



#40
Benzene
Concen: 50.127 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054113.D
Acq: 6 Mar 2019 11:29

Tgt Ion	78	Resp	1418385
Ion Ratio	100	Lower	Upper
78	100		
77	23.4	18.7	28.1





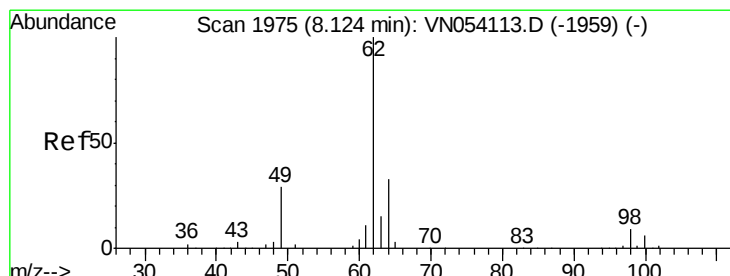
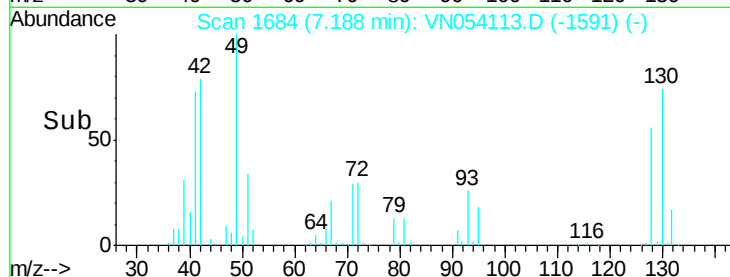
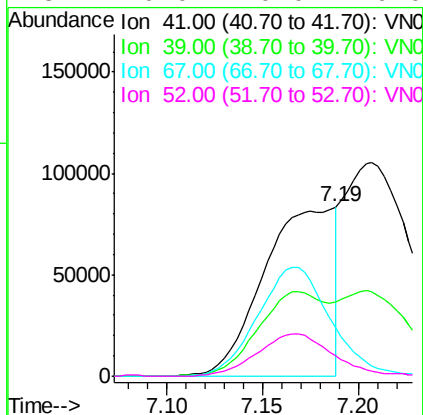
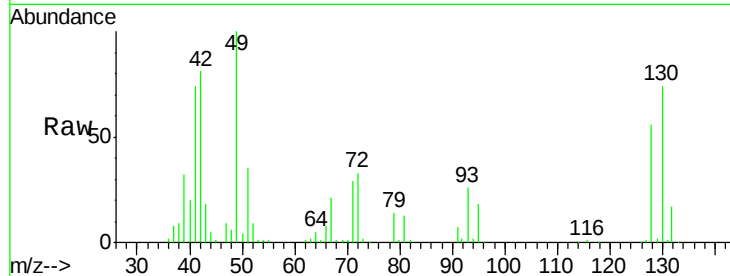
#41
Methacrylonitrile
Concen: 51.475 ug/l m
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN054113.D
Acq: 6 Mar 2019 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	41	Resp	214573
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

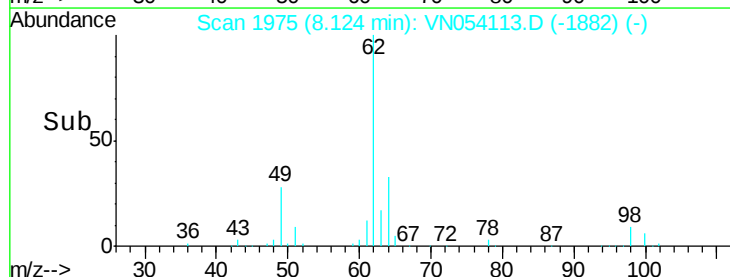
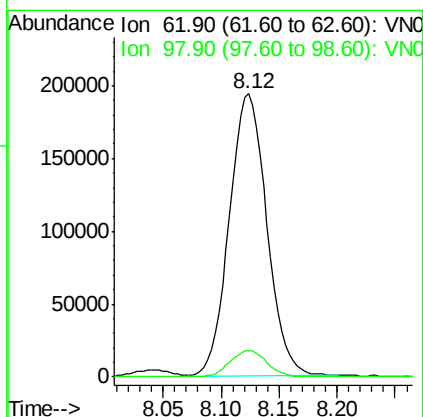
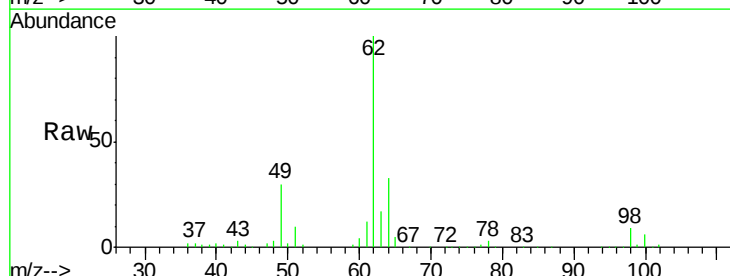
Manual Integrations
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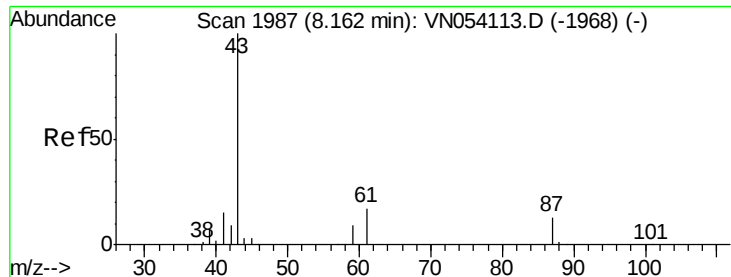
MMDadoda
3/7/2019 11:38:06 AM



#42
1,2-Dichloroethane
Concen: 48.591 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054113.D
Acq: 6 Mar 2019 11:29

Tgt Ion	62	Resp	435533
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.6





#43

Isopropyl Acetate

Concen: 51.823 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN054113.D

Acq: 6 Mar 2019 11:29

Instrument :

MSVOA_N

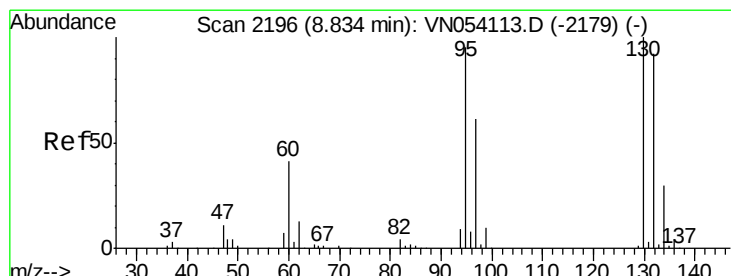
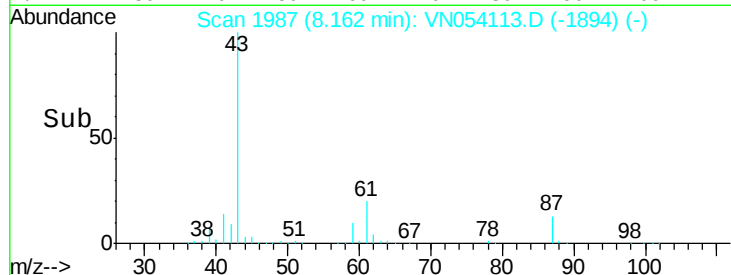
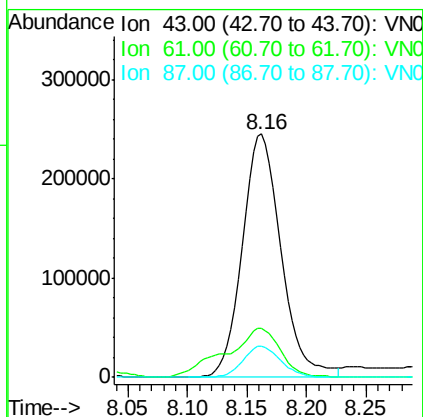
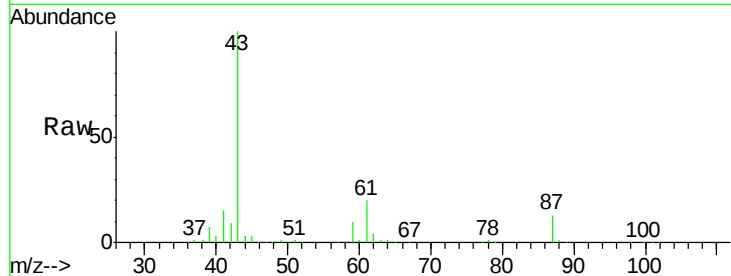
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	552289
Ion	Ratio	Lower	Upper
43	100		
61	28.1	22.5	33.7
87	12.6	10.1	15.1

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#44

Trichloroethene

Concen: 49.001 ug/l

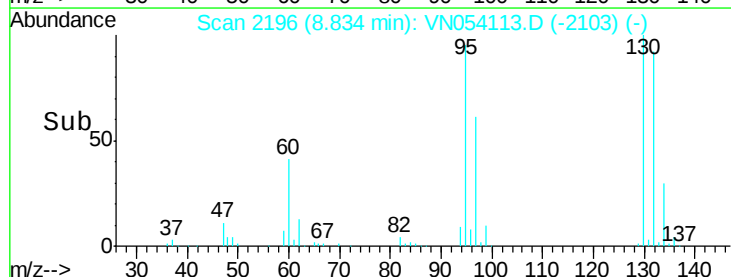
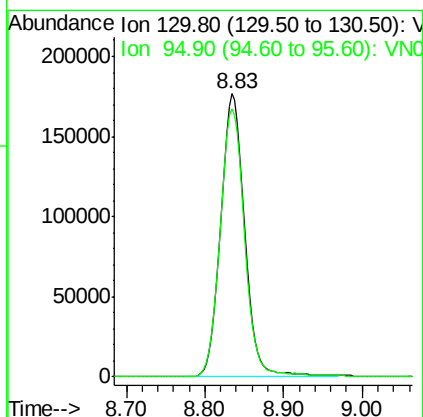
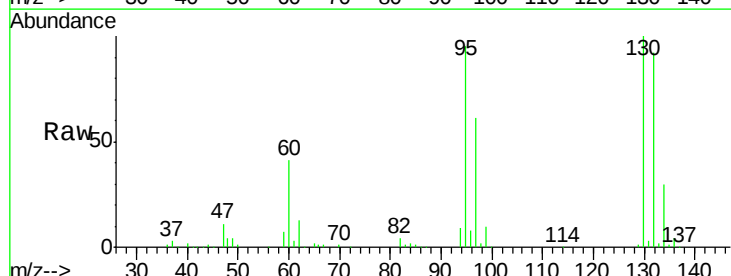
RT: 8.83 min Scan# 2196

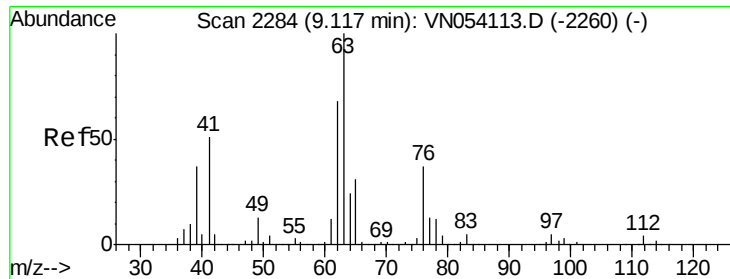
Delta R.T. 0.00 min

Lab File: VN054113.D

Acq: 6 Mar 2019 11:29

Tgt Ion:	130	Resp:	371786
Ion	Ratio	Lower	Upper
130	100		
95	94.7	0.0	189.4





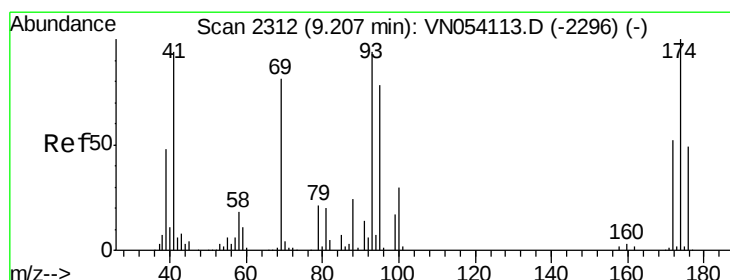
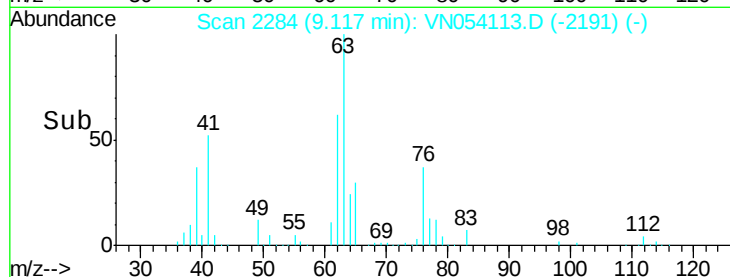
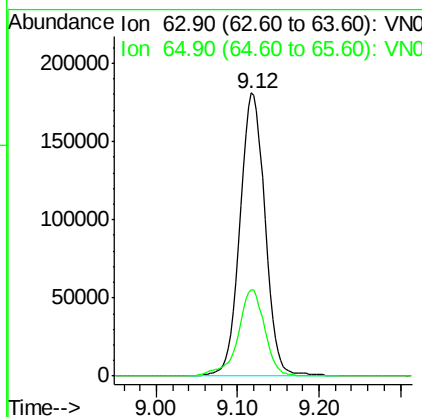
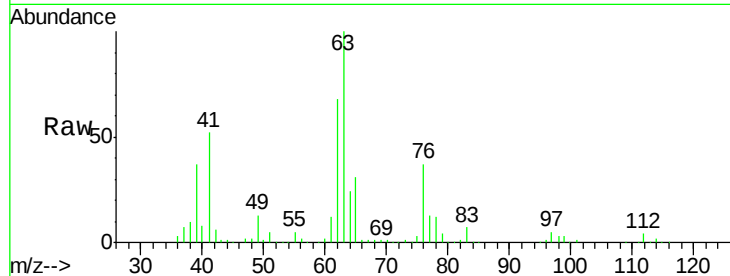
#45
 1,2-Dichloropropane
 Concen: 49.355 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN054113.D
 Acq: 6 Mar 2019 11:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 385207
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.6 36.8

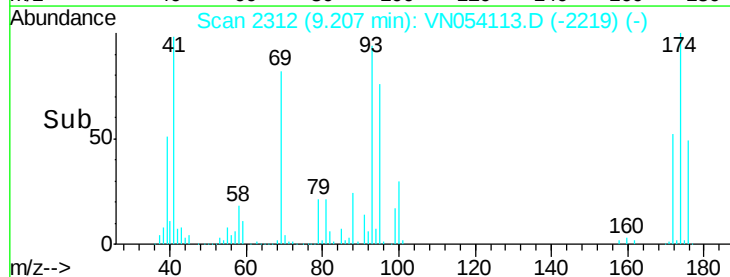
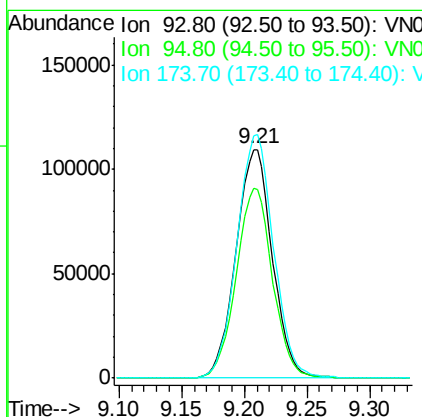
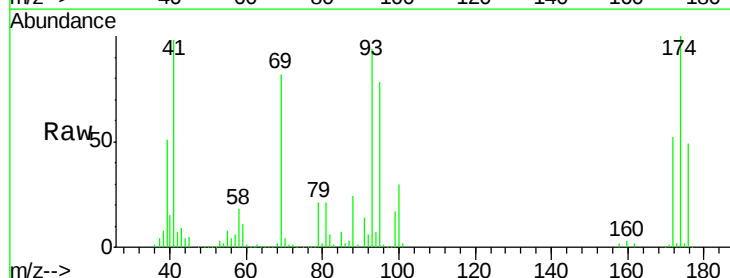
Manual Integrations
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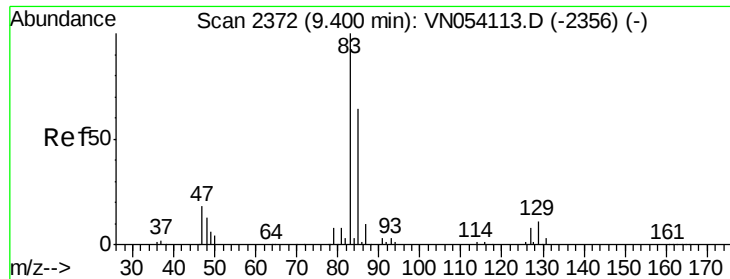
MMDadoda
 3/7/2019 11:38:06 AM



#46
 Dibromomethane
 Concen: 49.709 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN054113.D
 Acq: 6 Mar 2019 11:29

Tgt Ion: 93 Resp: 221469
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.1 99.1
 174 107.6 86.1 129.1





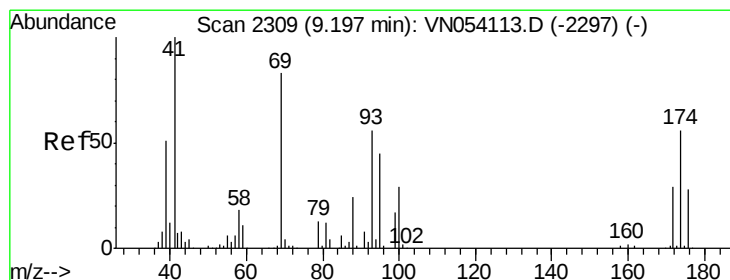
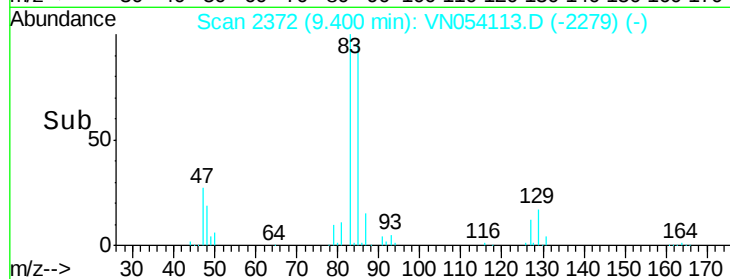
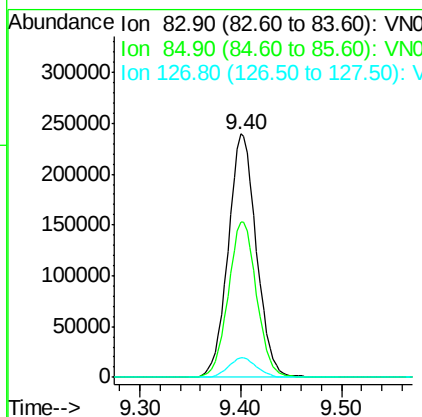
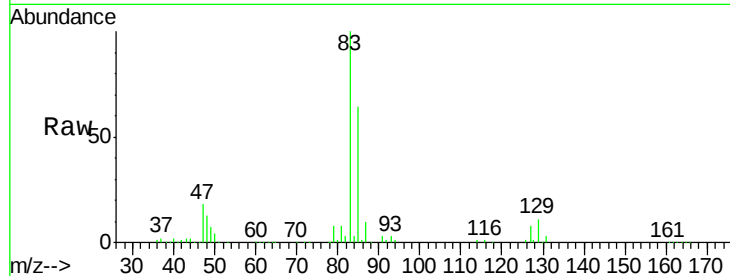
#47
Bromodichloromethane
Concen: 49.999 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. 0.00 min
Lab File: VN054113.D
Acq: 6 Mar 2019 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	83	Resp	466307
Ion Ratio	100		
85	63.7	51.0	76.4
127	8.1	6.5	9.7

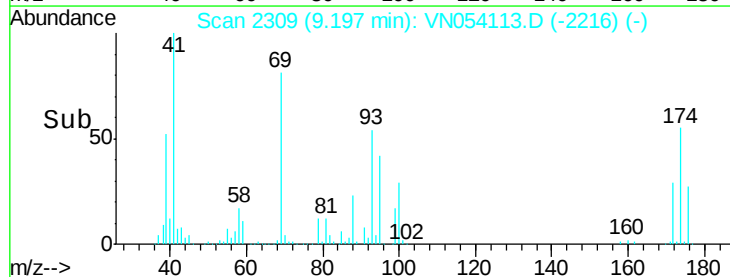
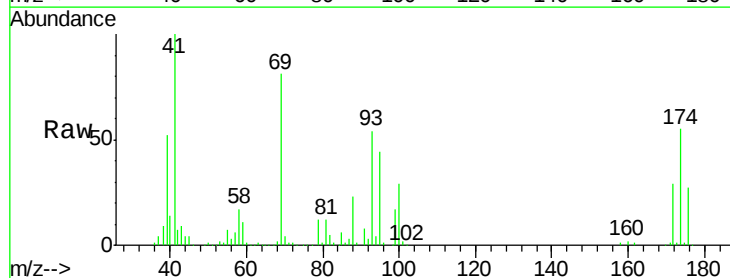
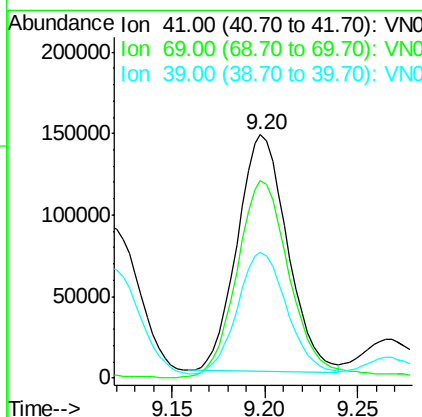
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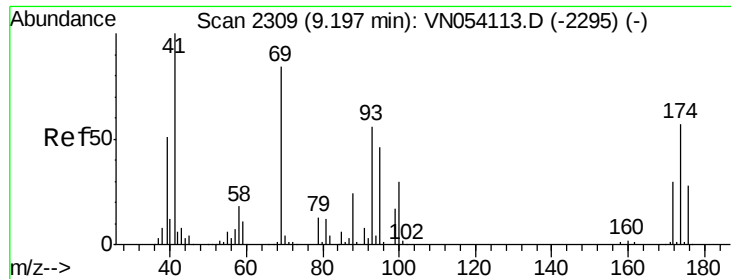
MMDadoda
3/7/2019 11:38:06 AM



#48
Methyl methacrylate
Concen: 52.089 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN054113.D
Acq: 6 Mar 2019 11:29

Tgt Ion	41	Resp	274129
Ion Ratio	100		
69	88.7	71.0	106.4
39	54.6	43.7	65.5





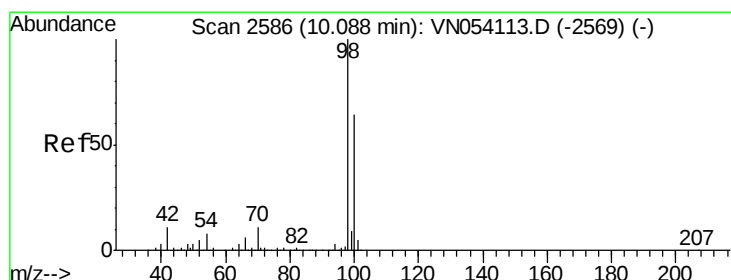
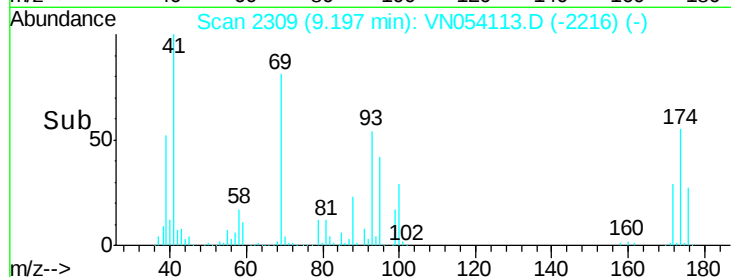
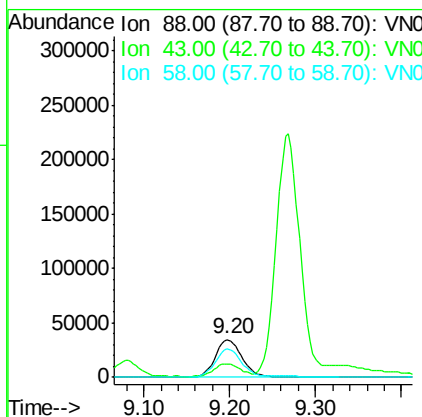
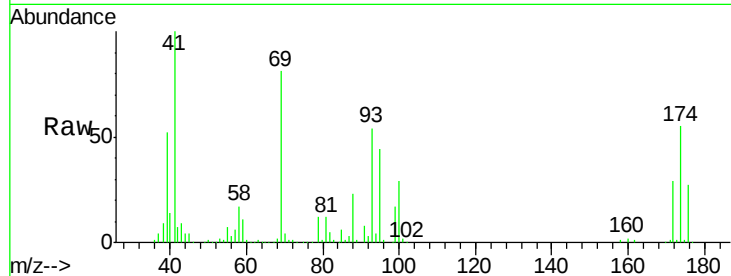
#49
1,4-Dioxane
Concen: 1098.313 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN054113.D
Acq: 6 Mar 2019 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 88 Resp: 76379
Ion Ratio Lower Upper
88 100
43 31.9 25.5 38.3
58 72.9 58.3 87.5

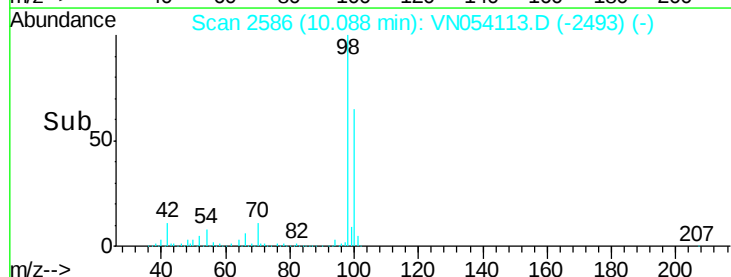
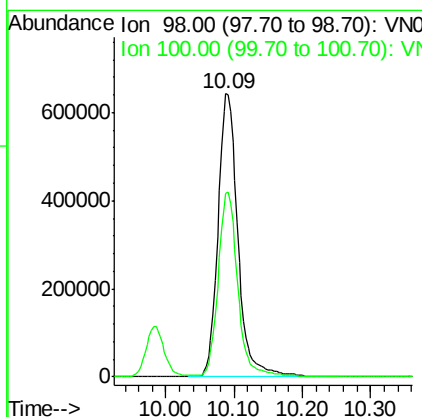
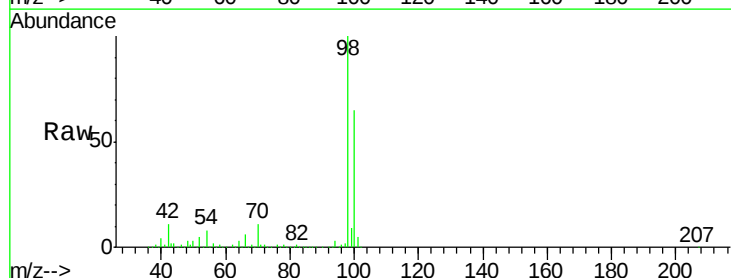
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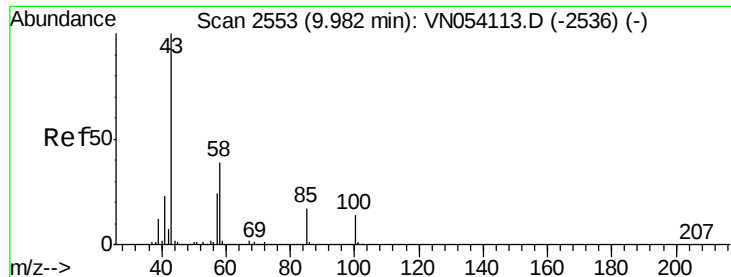
MMDadoda
3/7/2019 11:38:06 AM



#50
Toluene-d8
Concen: 51.775 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN054113.D
Acq: 6 Mar 2019 11:29

Tgt Ion: 98 Resp: 1301157
Ion Ratio Lower Upper
98 100
100 64.6 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 260.670 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN054113.D

Acq: 6 Mar 2019 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1591603

Ion Ratio Lower Upper

43 100

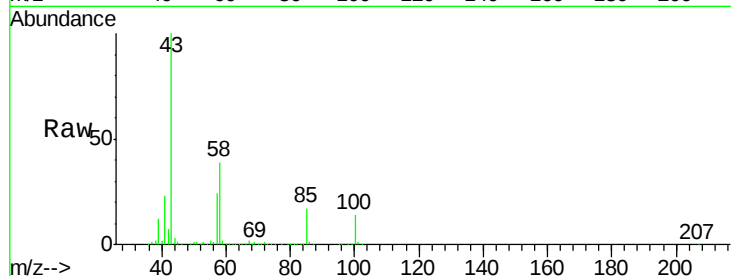
58 38.5 30.8 46.2

Manual Integrations

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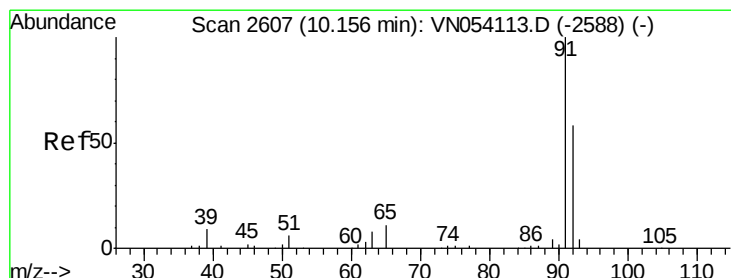
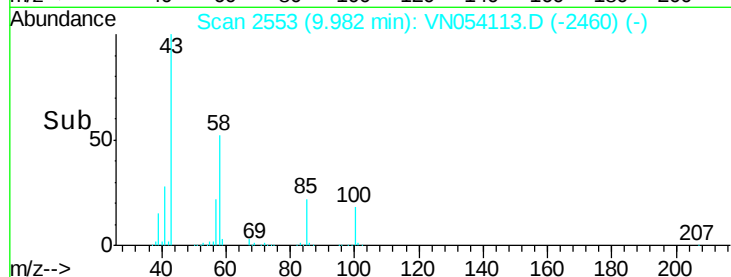
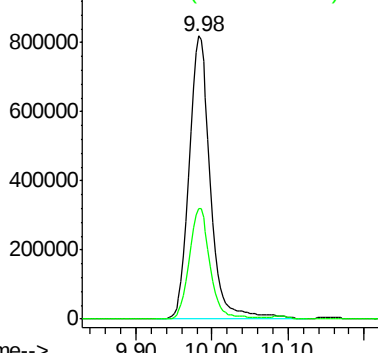
MMDadoda

3/7/2019 11:38:06 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.662 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054113.D

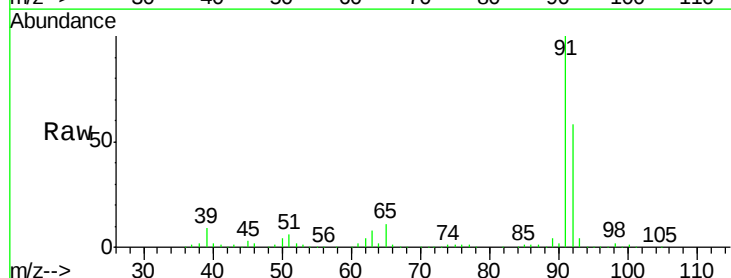
Acq: 6 Mar 2019 11:29

Tgt Ion: 92 Resp: 849287

Ion Ratio Lower Upper

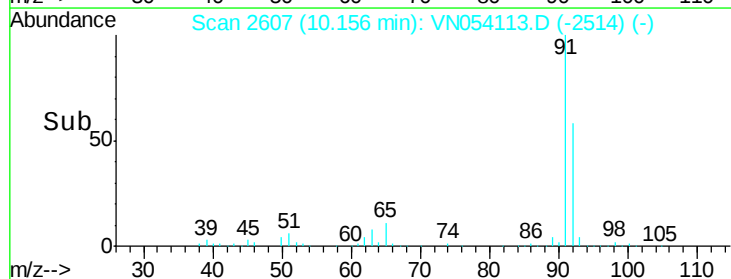
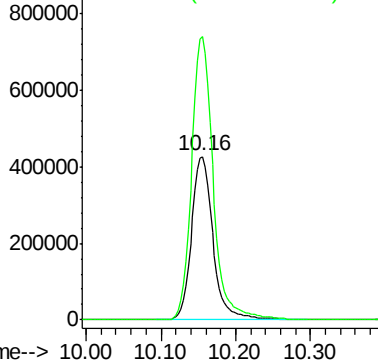
92 100

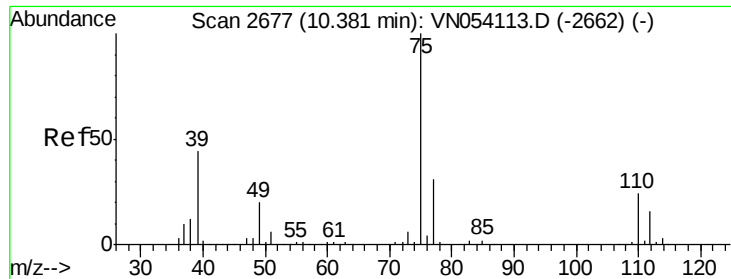
91 173.8 139.0 208.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





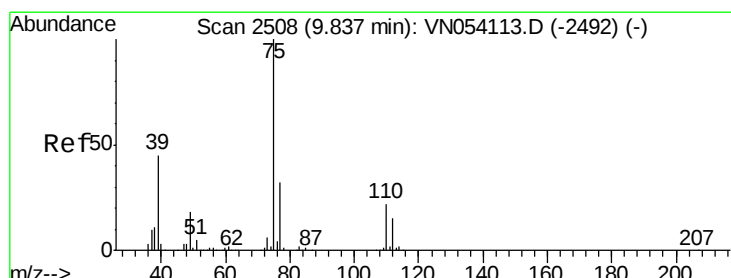
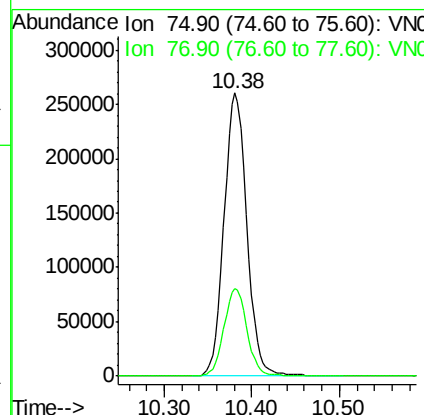
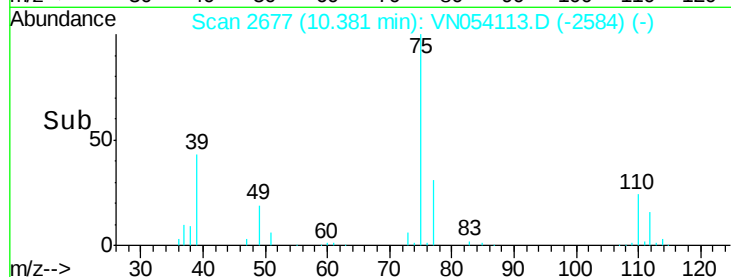
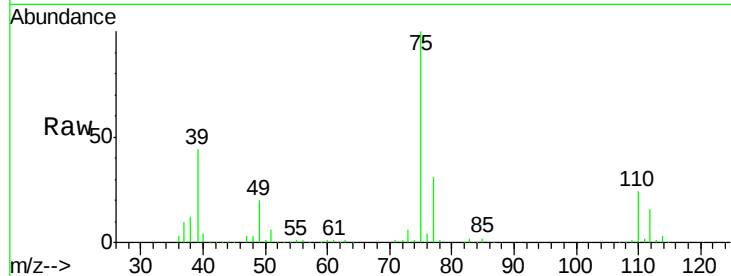
#53
t-1,3-Dichloropropene
Concen: 51.331 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN054113.D
Acq: 6 Mar 2019 11:29

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 75 Resp: 472189
Ion Ratio Lower Upper
75 100
77 31.1 24.9 37.3

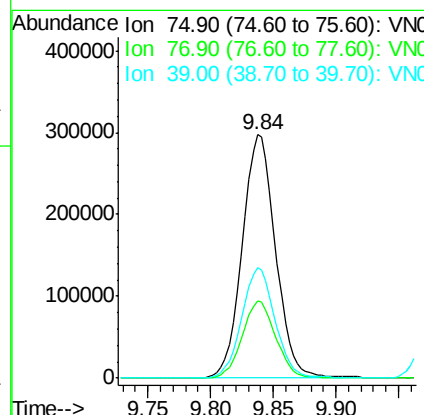
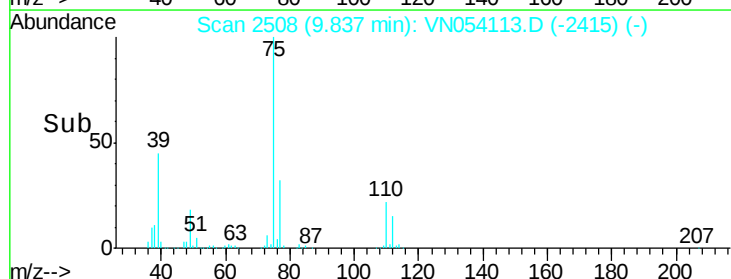
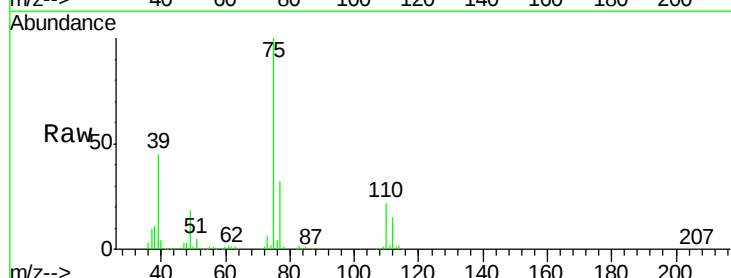
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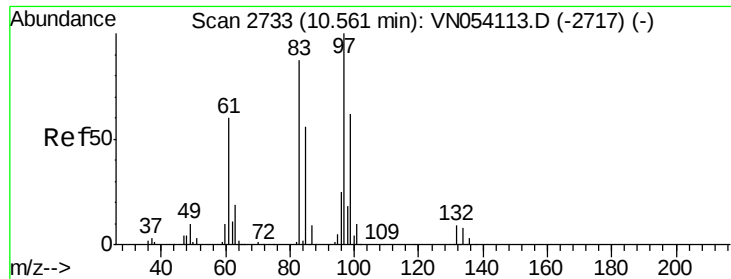
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 50.474 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN054113.D
Acq: 6 Mar 2019 11:29

Tgt Ion: 75 Resp: 548760
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.0
39 45.2 36.2 54.2





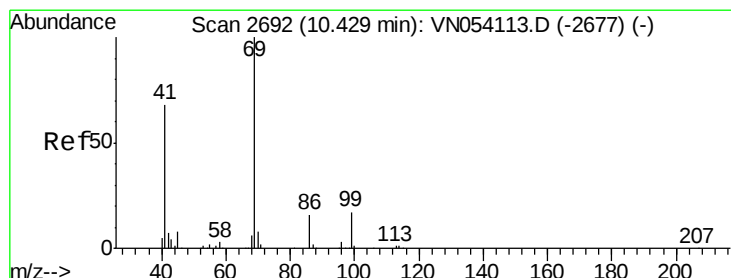
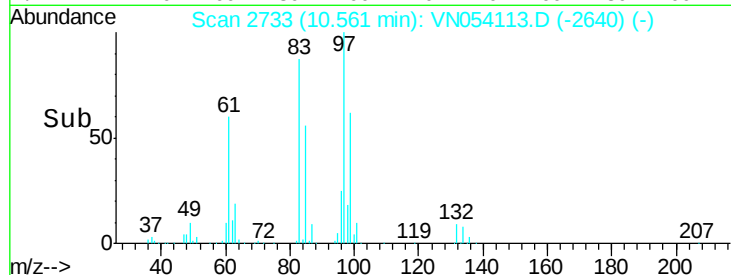
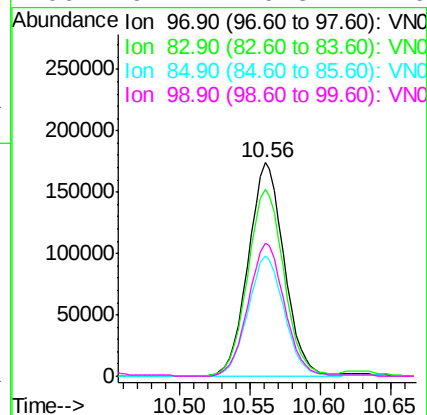
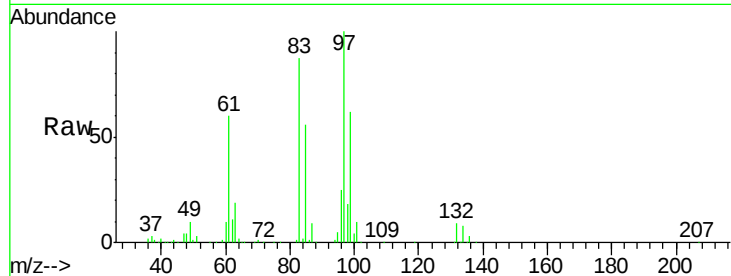
#55
 1,1,2-Trichloroethane
 Concen: 49.337 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN054113.D
 Acq: 6 Mar 2019 11:29

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		311448		
83	87.2	69.8		104.6	
85	56.2	45.0		67.4	
99	62.2	49.8		74.6	

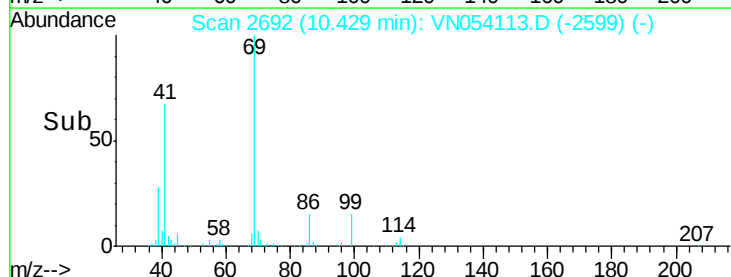
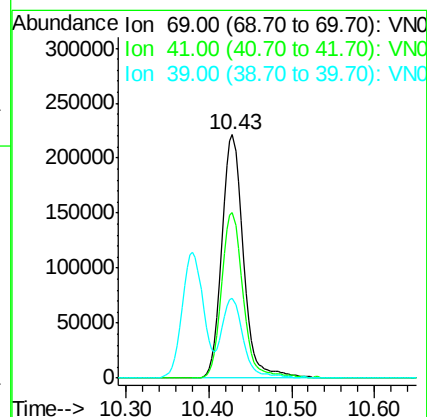
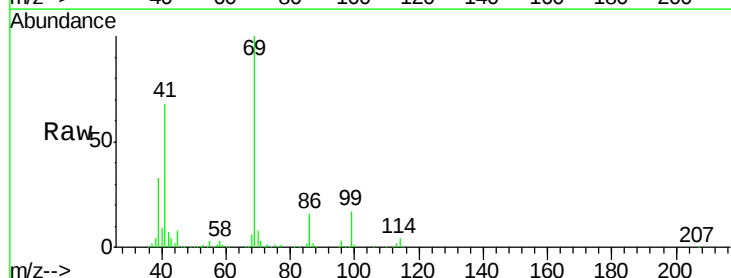
Manual Integrations
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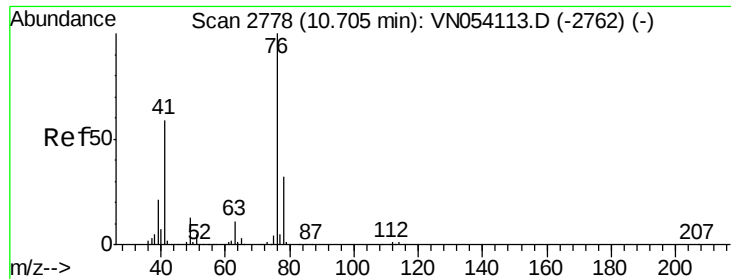
MMDadoda
 3/7/2019 11:38:06 AM



#56
 Ethyl methacrylate
 Concen: 53.705 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054113.D
 Acq: 6 Mar 2019 11:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		397984		
41	66.8	53.4		80.2	
39	32.0	25.6		38.4	





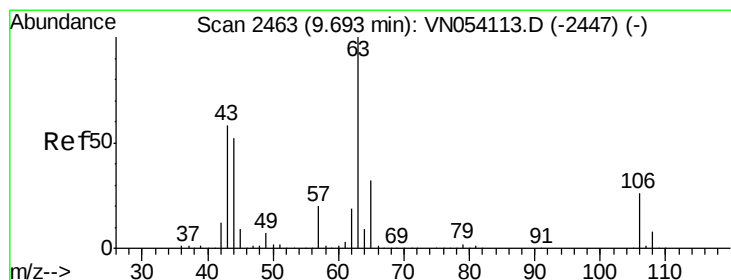
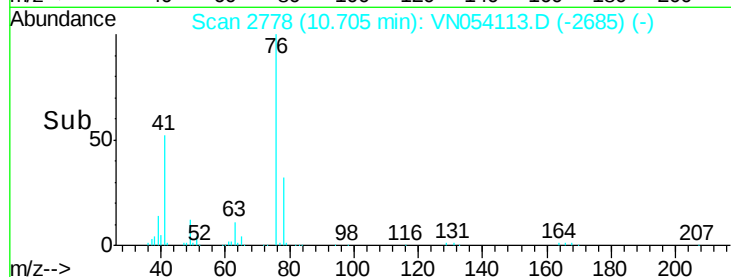
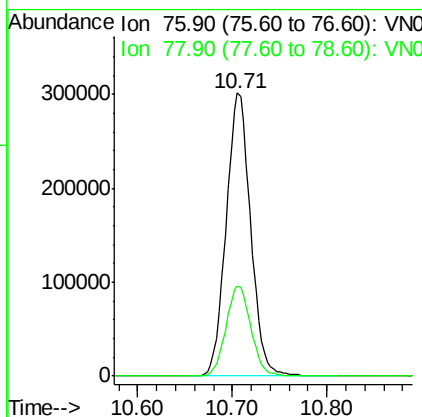
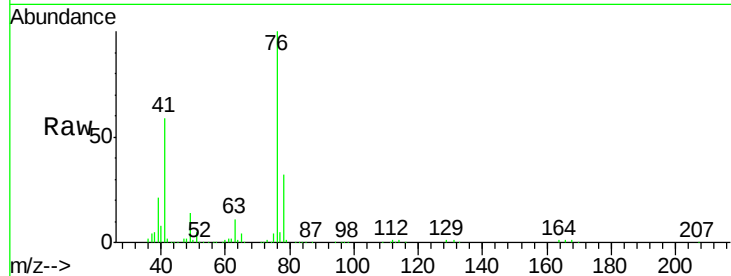
#57
 1,3-Dichloropropane
 Concen: 50.290 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN054113.D
 Acq: 6 Mar 2019 11:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 76 Resp: 541669
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.9 38.9

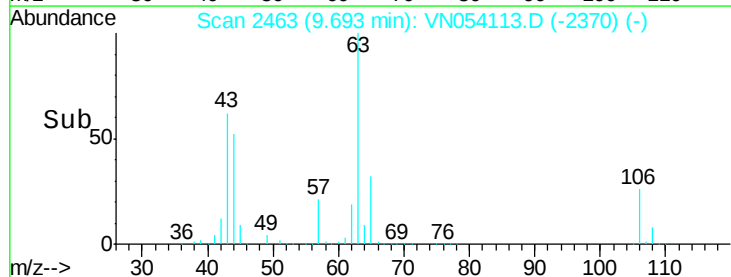
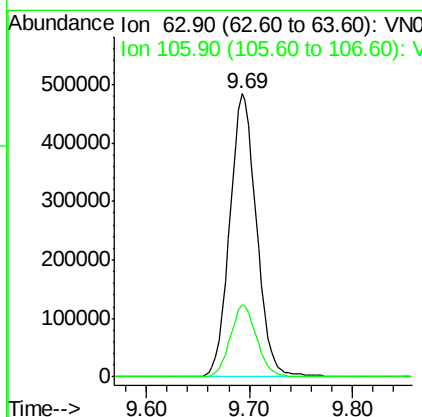
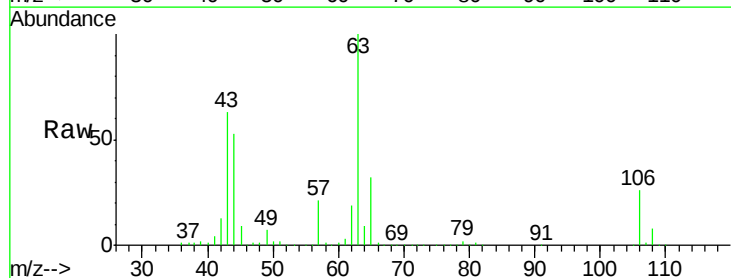
Manual Integrations
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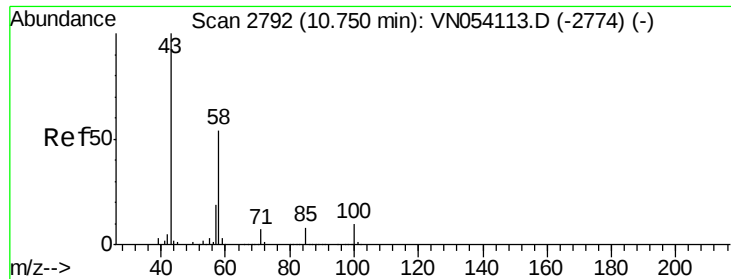
MMDadoda
 3/7/2019 11:38:06 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 257.877 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN054113.D
 Acq: 6 Mar 2019 11:29

Tgt Ion: 63 Resp: 874698
 Ion Ratio Lower Upper
 63 100
 106 25.2 20.2 30.2





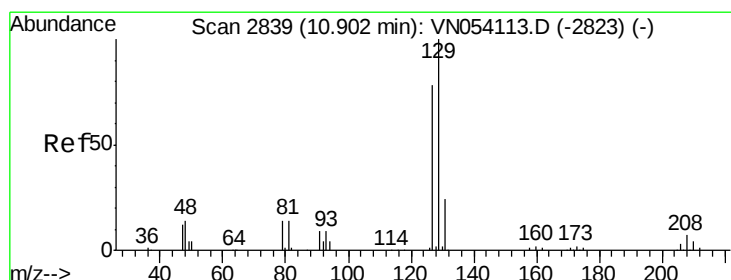
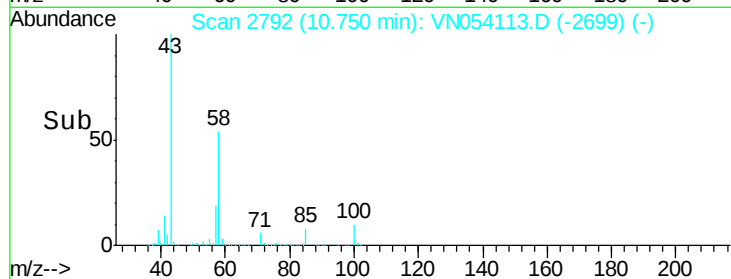
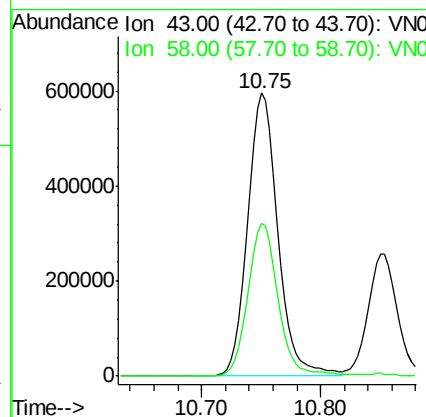
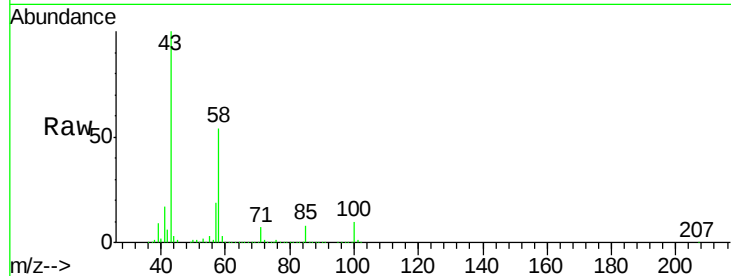
#59
2-Hexanone
Concen: 259.880 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN054113.D
Acq: 6 Mar 2019 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 1046815
Ion Ratio Lower Upper
43 100
58 54.0 27.0 81.0

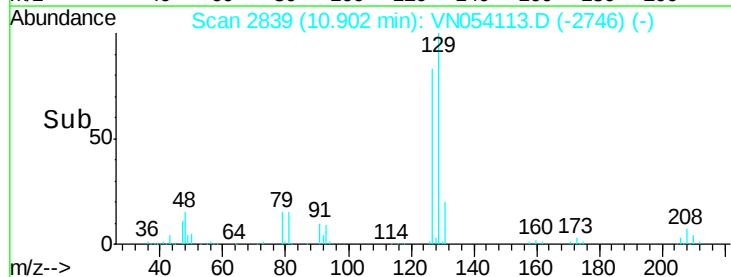
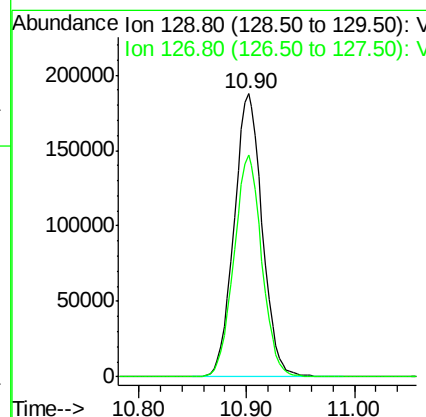
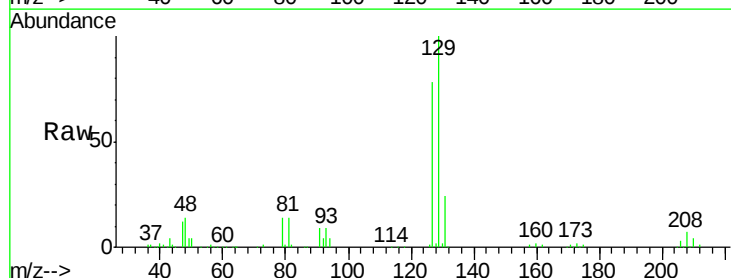
Manual Integrations
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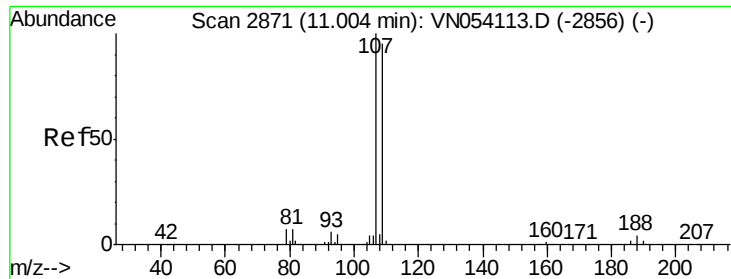
MMDadoda
3/7/2019 11:38:06 AM



#60
Dibromochloromethane
Concen: 50.594 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054113.D
Acq: 6 Mar 2019 11:29

Tgt Ion: 129 Resp: 341505
Ion Ratio Lower Upper
129 100
127 77.6 38.8 116.4





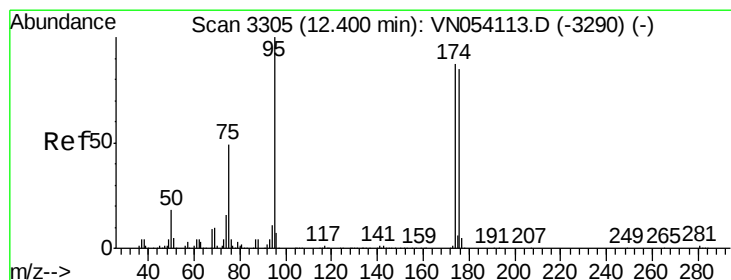
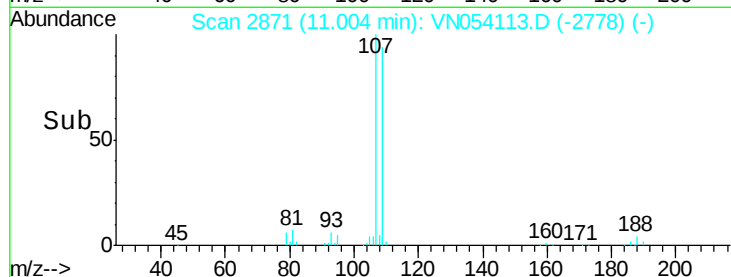
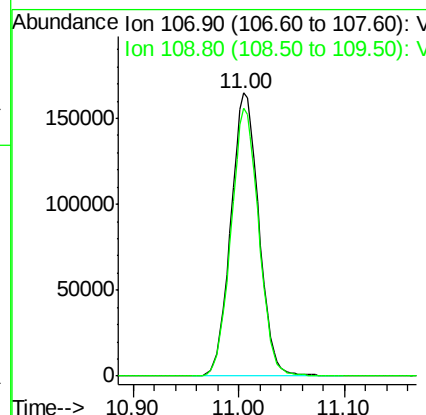
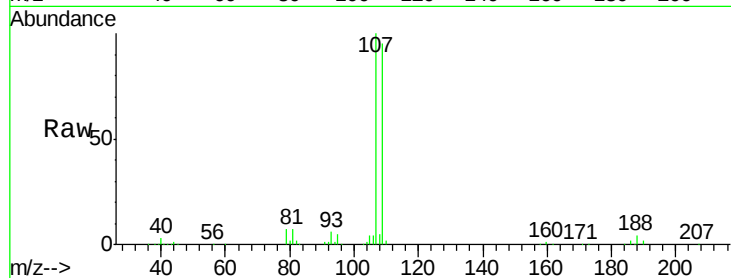
#61
 1,2-Dibromoethane
 Concen: 50.308 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN054113.D
 Acq: 6 Mar 2019 11:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	302183		
109	93.6	74.9	112.3	

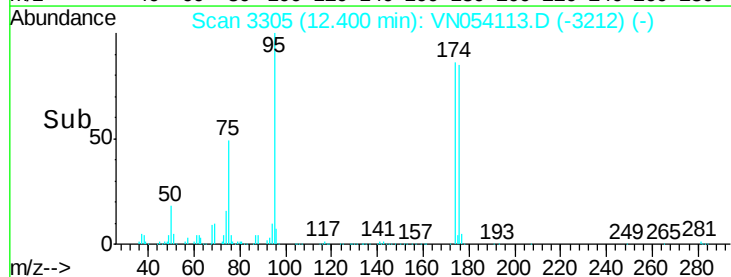
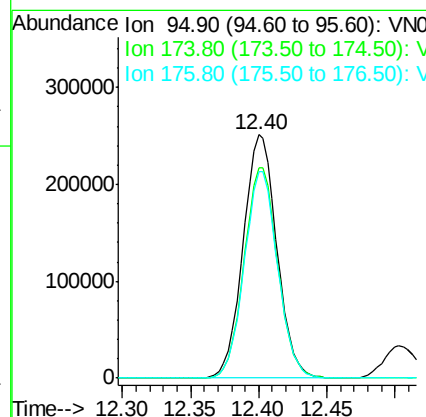
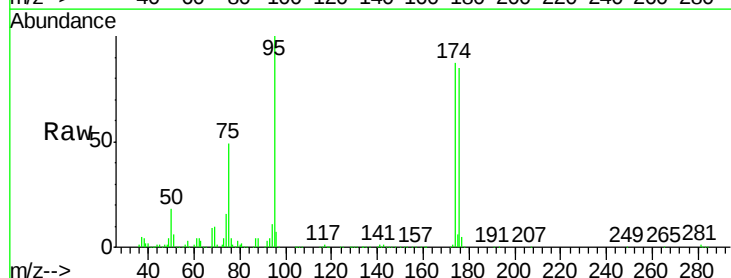
Manual Integrations
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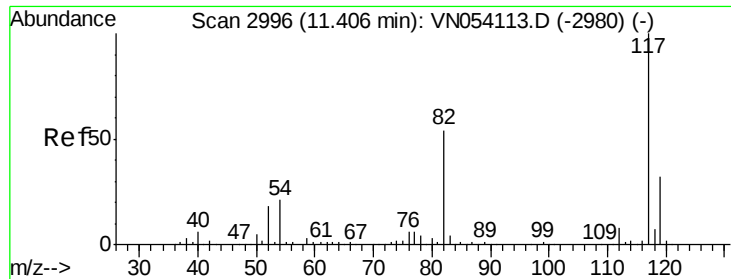
MMDadoda
 3/7/2019 11:38:06 AM



#62
 4-Bromofluorobenzene
 Concen: 52.430 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054113.D
 Acq: 6 Mar 2019 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	428978		
174	86.6	0.0	173.2	
176	84.4	0.0	168.8	





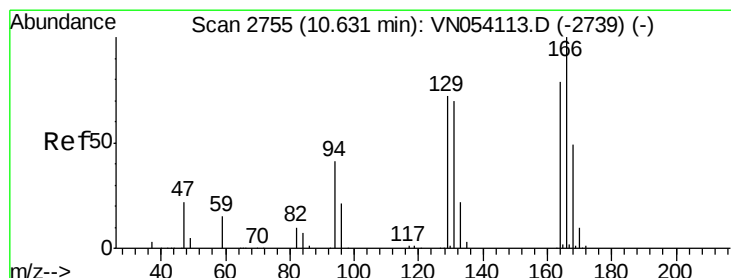
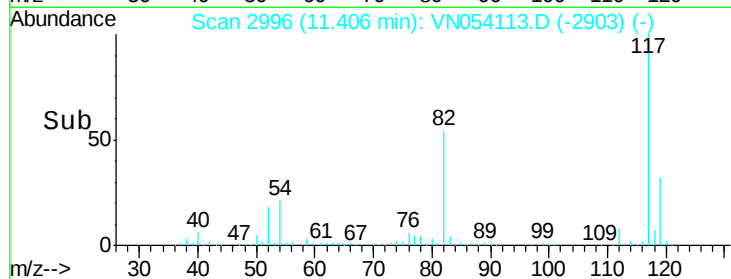
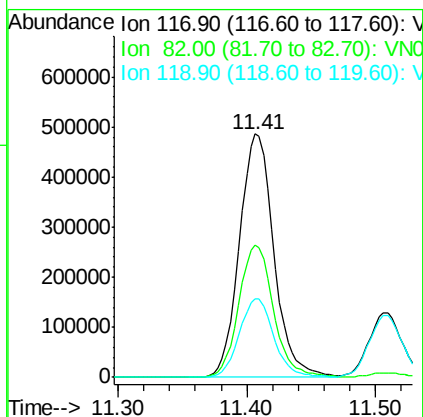
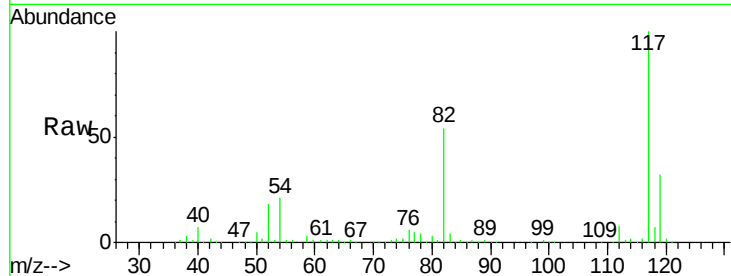
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054113.D
Acq: 6 Mar 2019 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	43.4	65.2
119	32.5	26.0	39.0

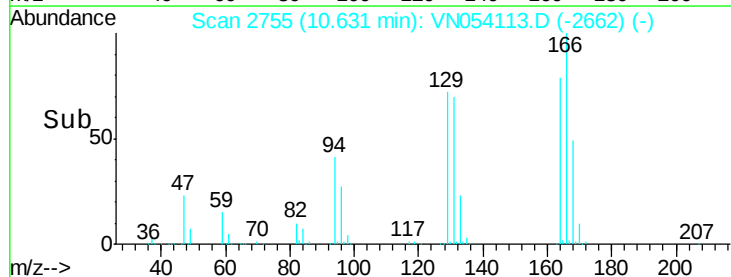
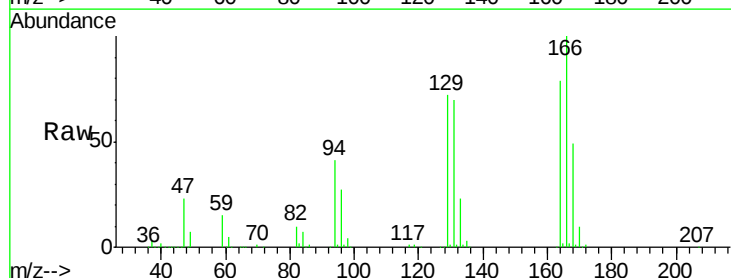
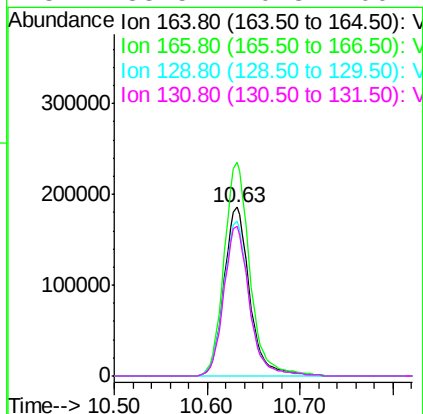
Manual Integrations
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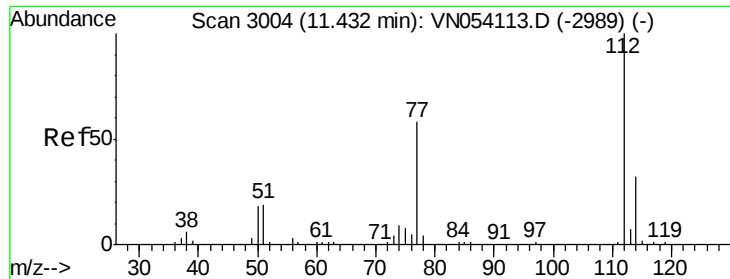
MMDadoda
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#64
Tetrachloroethene
Concen: 48.189 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054113.D
Acq: 6 Mar 2019 11:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	101.3	151.9
129	91.5	73.2	109.8
131	88.5	70.8	106.2





#65

Chlorobenzene

Concen: 48.006 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054113.D

Acq: 6 Mar 2019 11:29

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion:112 Resp: 902564

Ion Ratio Lower Upper

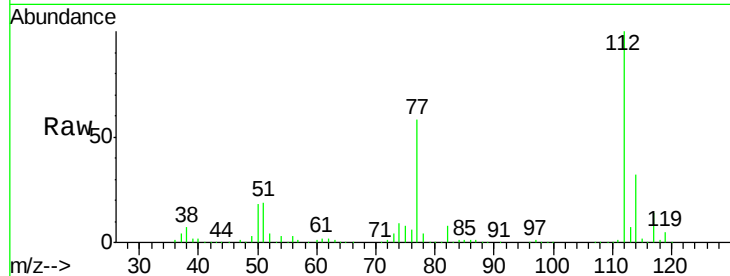
112 100

114 31.7 25.4 38.0

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

500000

400000

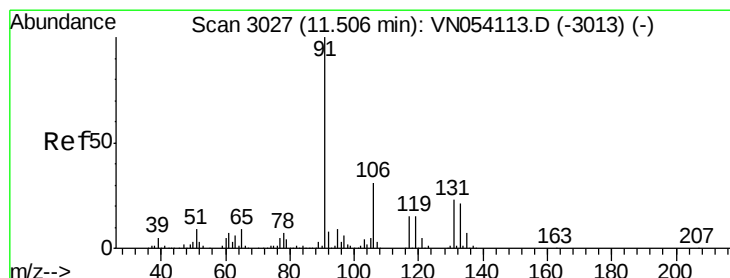
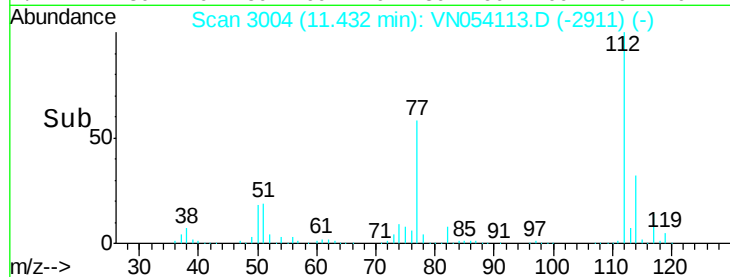
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 48.778 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN054113.D

Acq: 6 Mar 2019 11:29

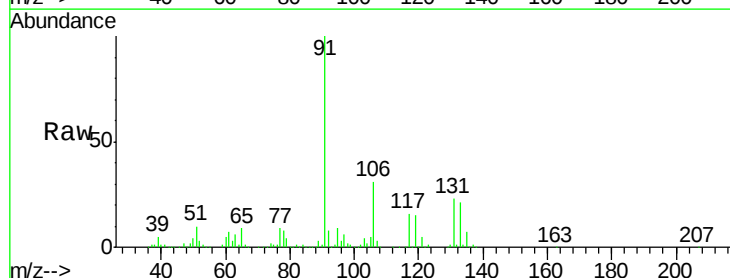
Tgt Ion:131 Resp: 328287

Ion Ratio Lower Upper

131 100

133 95.3 47.6 142.9

119 67.5 33.8 101.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

250000

200000

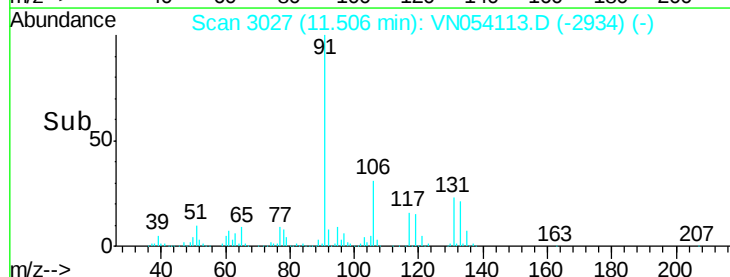
150000

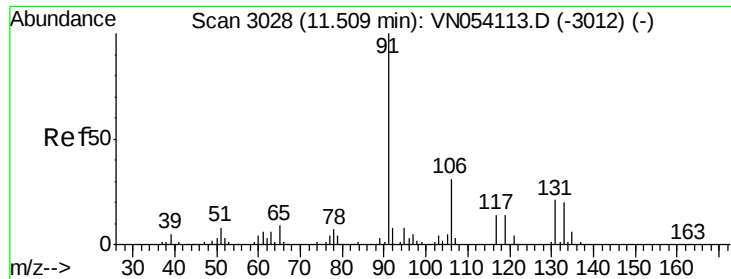
100000

50000

0

Time-->





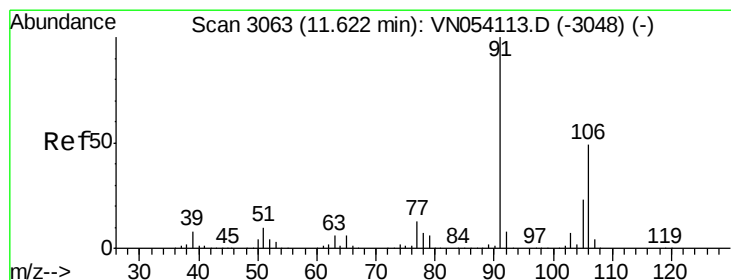
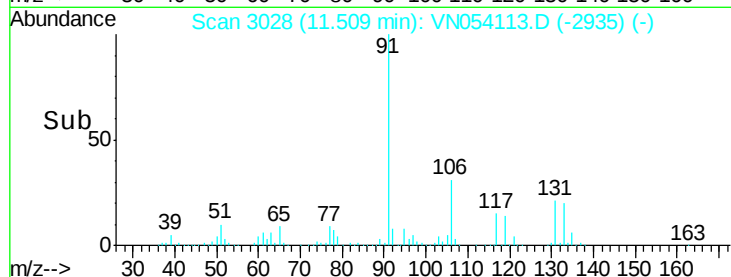
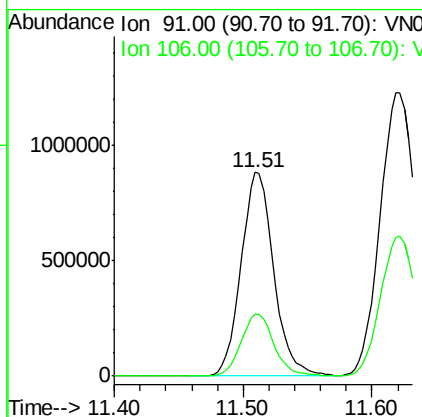
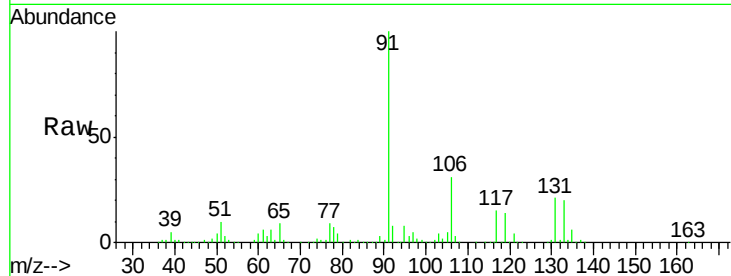
#67
Ethyl Benzene
Concen: 49.489 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054113.D
Acq: 6 Mar 2019 11:29

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 91 Resp: 1556980
Ion Ratio Lower Upper
91 100
106 30.7 24.6 36.8

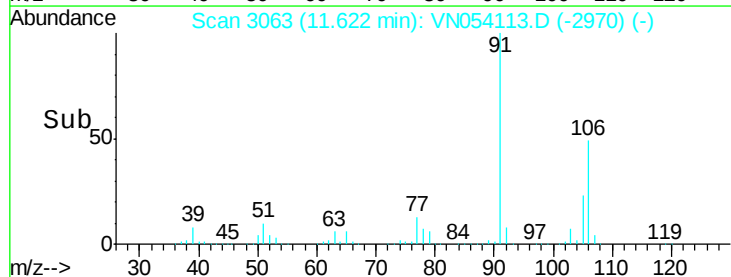
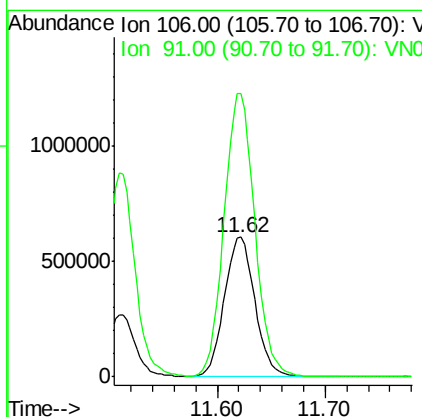
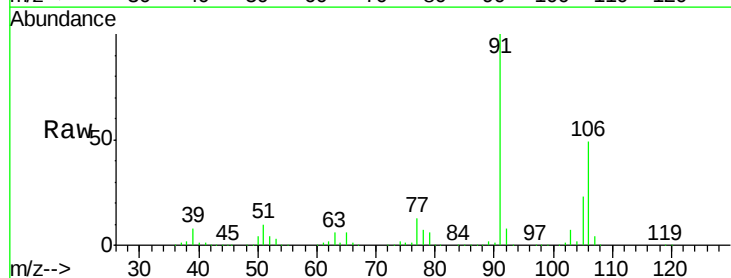
Manual Integrations
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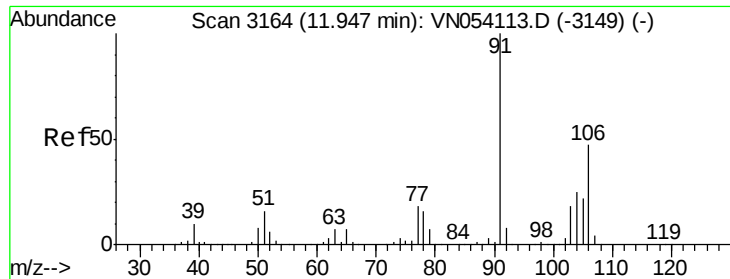
MMDadoda
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#68
m/p-Xylenes
Concen: 100.453 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054113.D
Acq: 6 Mar 2019 11:29

Tgt Ion: 106 Resp: 1192654
Ion Ratio Lower Upper
106 100
91 204.0 163.2 244.8





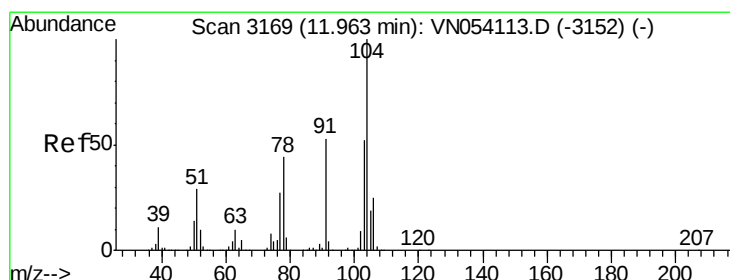
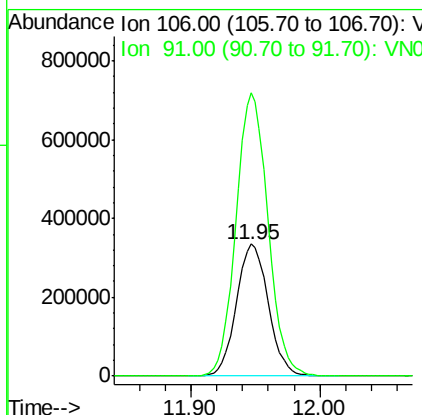
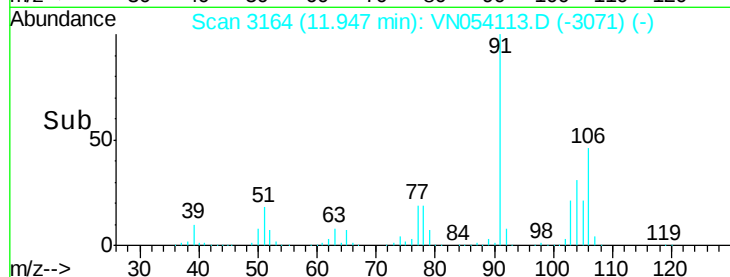
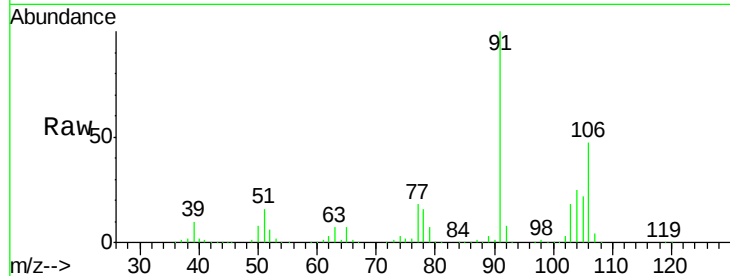
#69
o-Xylene
Concen: 50.571 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054113.D
Acq: 6 Mar 2019 11:29

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion:106 Resp: 577760
Ion Ratio Lower Upper
106 100
91 214.2 107.1 321.3

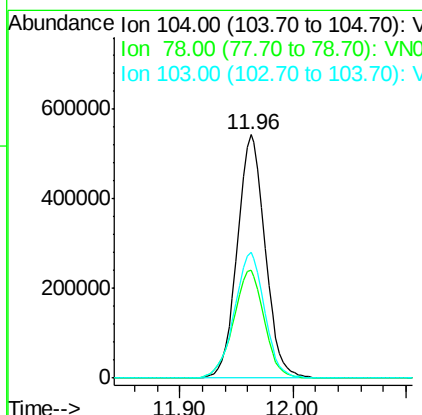
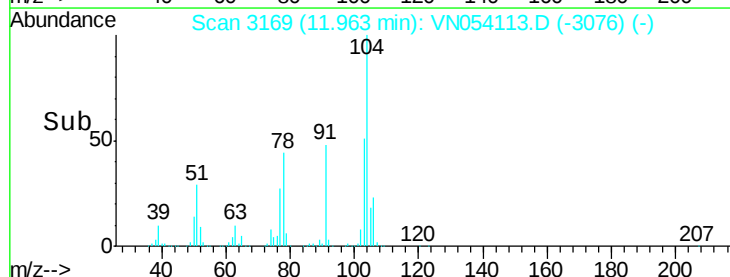
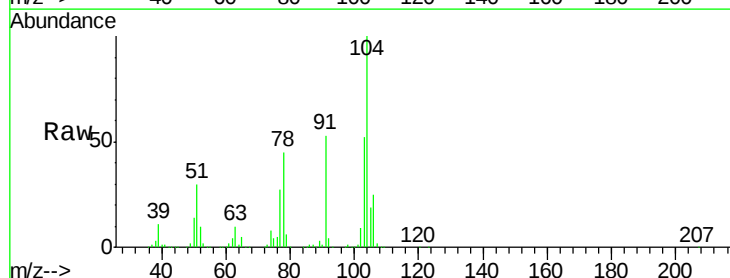
Manual Integrations
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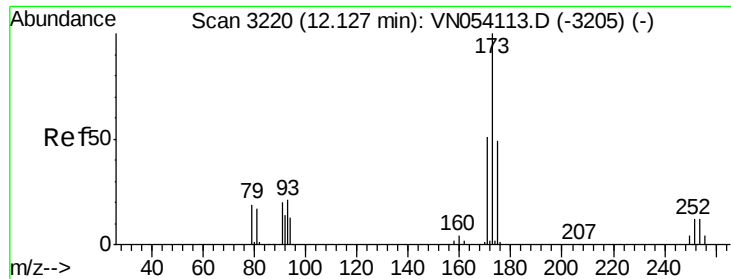
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#70
Styrene
Concen: 51.484 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054113.D
Acq: 6 Mar 2019 11:29

Tgt Ion:104 Resp: 933679
Ion Ratio Lower Upper
104 100
78 49.2 39.4 59.0
103 55.9 44.7 67.1





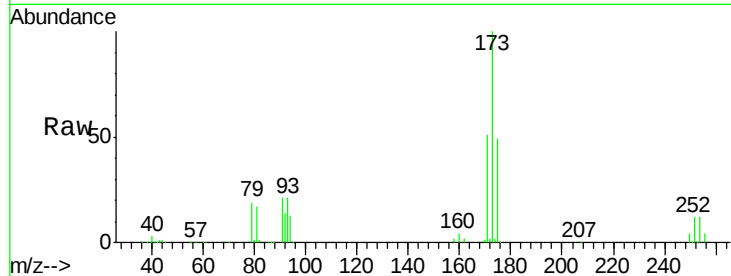
#71
Bromoform
Concen: 50.462 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054113.D
Acq: 6 Mar 2019 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

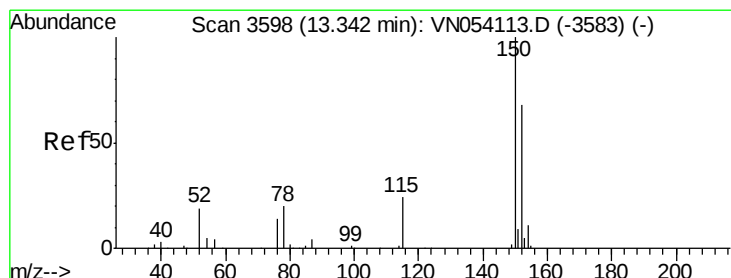
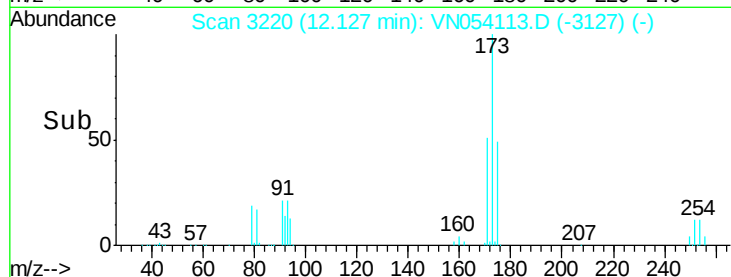
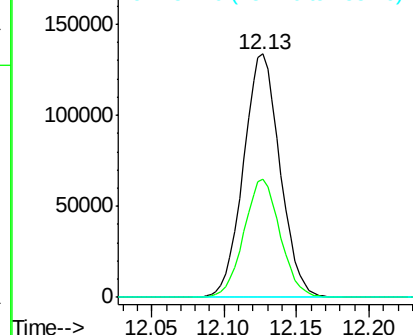
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.1	72.2
254	0.0	0.0	0.0

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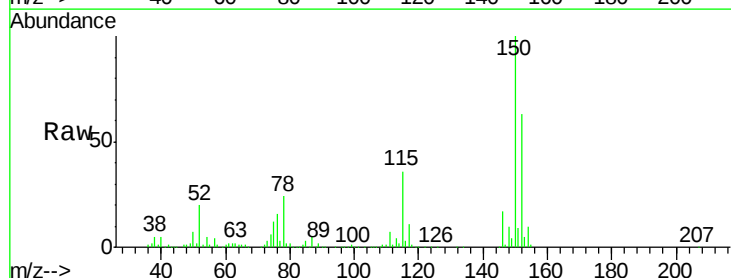


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

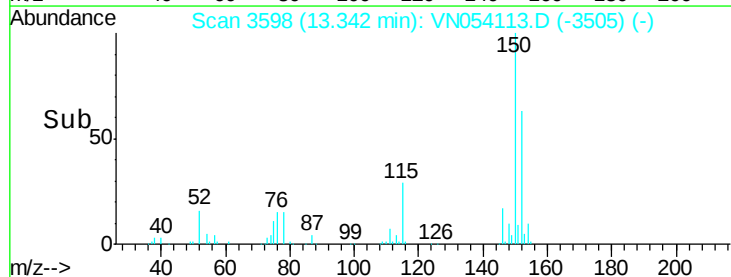
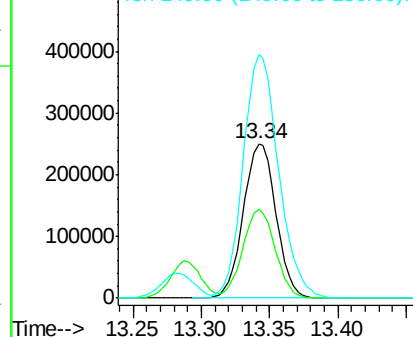


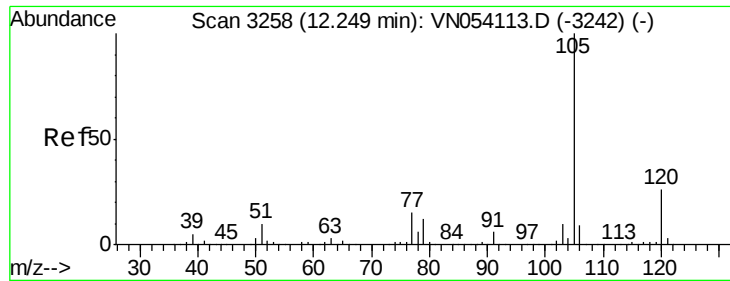
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054113.D
Acq: 6 Mar 2019 11:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.1	28.5	85.6
150	171.6	0.0	343.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 45.607 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054113.D

Acq: 6 Mar 2019 11:29

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 105 Resp: 1505112

Ion Ratio Lower Upper

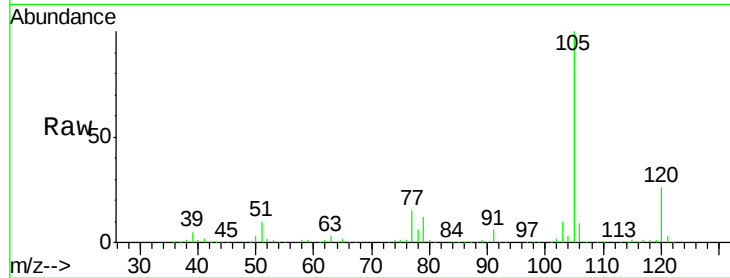
105 100

120 26.5 13.3 39.8

Manual Integrations
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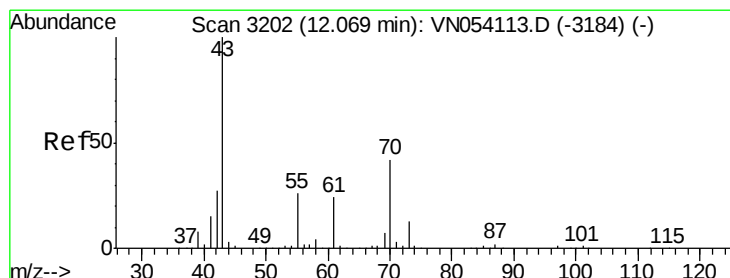
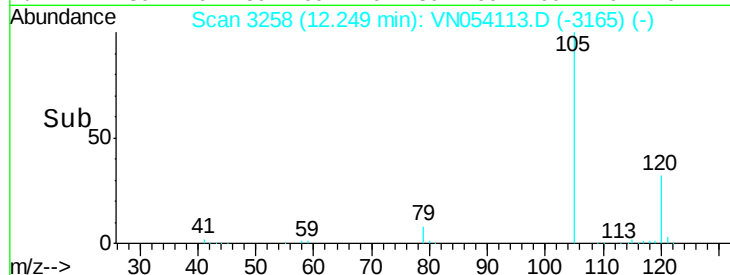
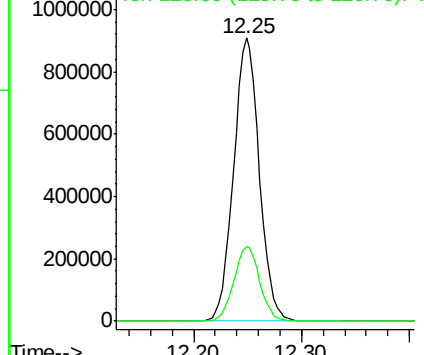
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.930 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054113.D

Acq: 6 Mar 2019 11:29

Tgt Ion: 43 Resp: 436406

Ion Ratio Lower Upper

43 100

70 42.0 33.6 50.4

55 25.8 20.6 31.0

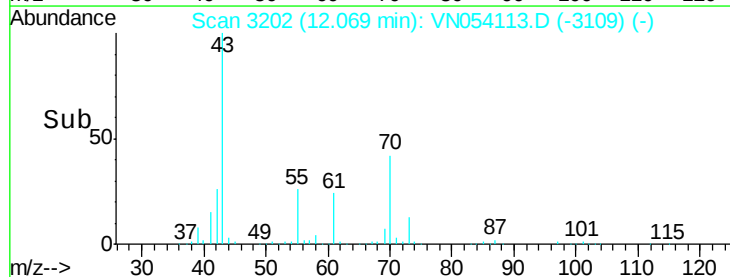
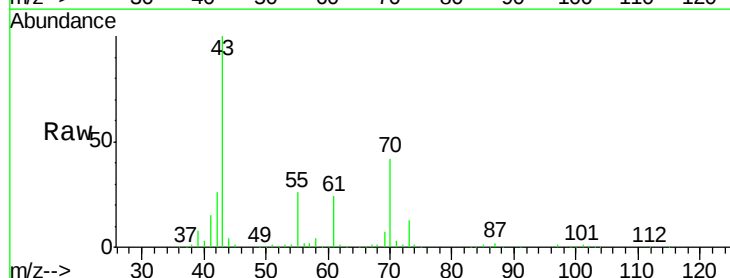
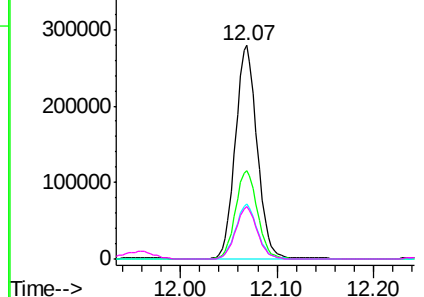
61 24.3 19.4 29.2

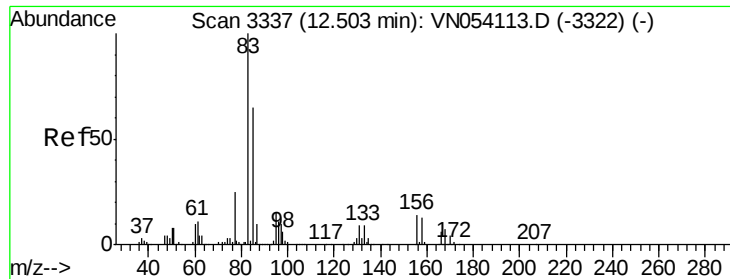
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 43.896 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054113.D

Acq: 6 Mar 2019 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 377044

Ion Ratio Lower Upper

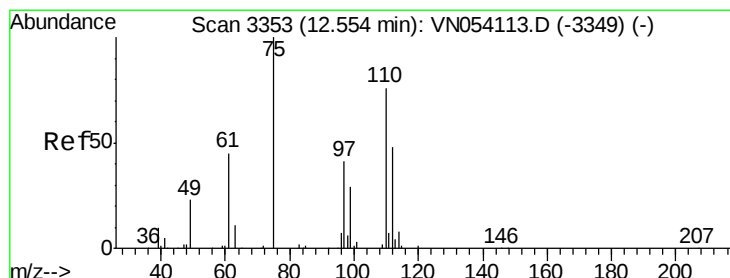
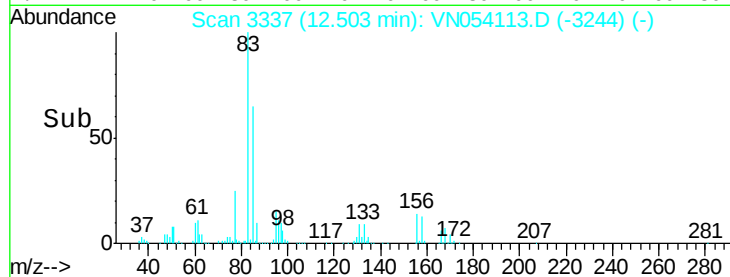
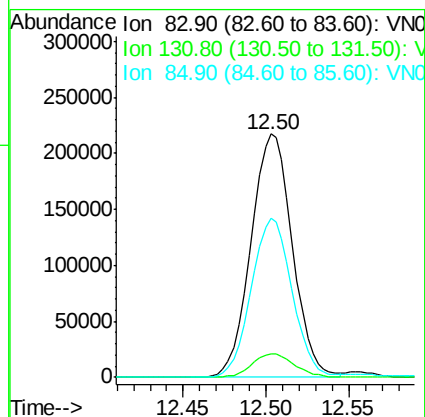
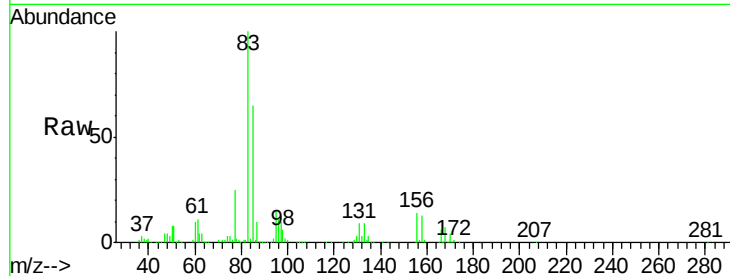
83 100

131 9.9 5.0 14.9

85 64.7 32.4 97.0

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#76

1,2,3-Trichloropropane

Concen: 55.778 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054113.D

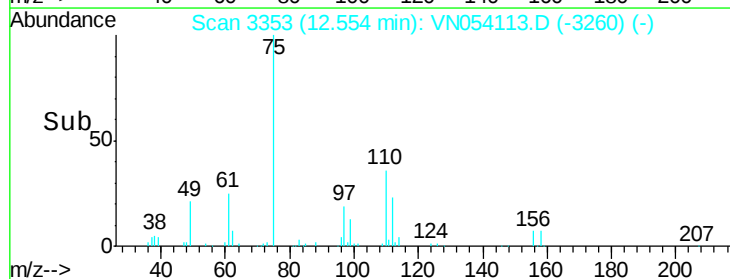
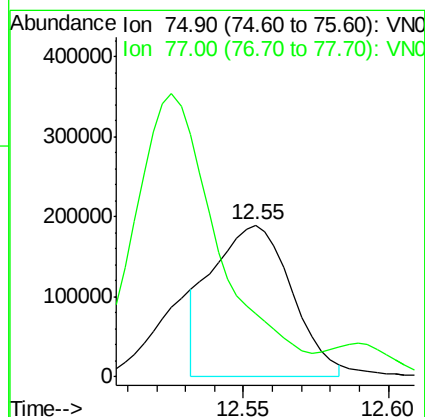
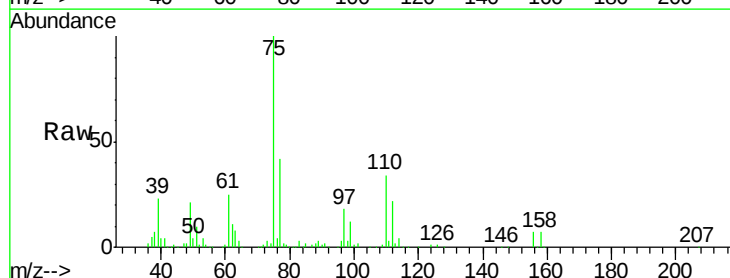
Acq: 6 Mar 2019 11:29

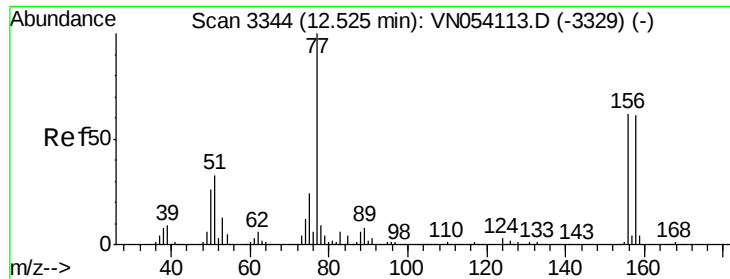
Tgt Ion: 75 Resp: 361705

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 45.033 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054113.D

Acq: 6 Mar 2019 11:29

Instrument :

MSVOA_N

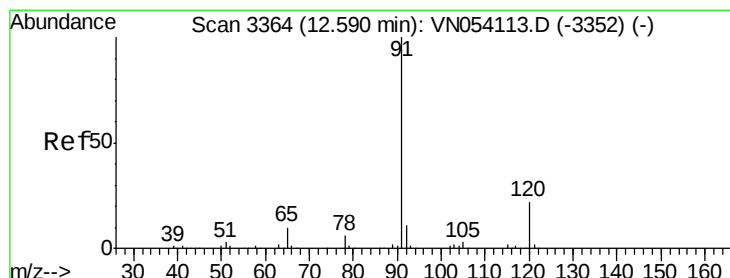
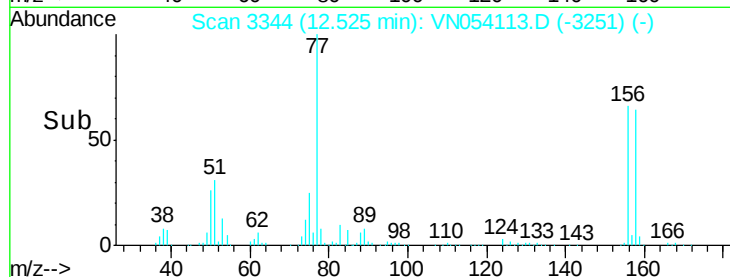
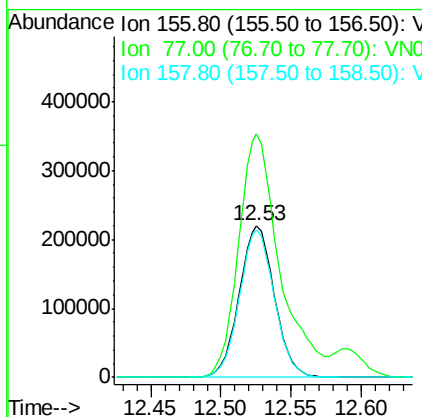
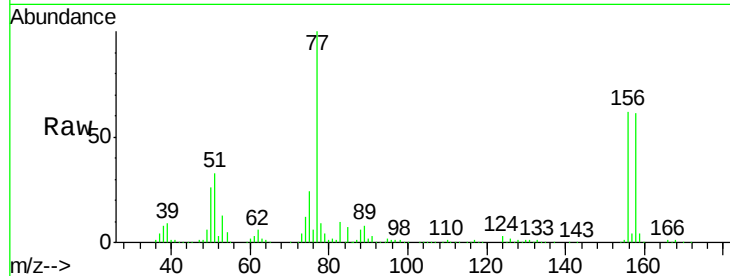
ClientSampleId :

VSTDICCC050

Tot Ion:	156	Resp:	382898
Ion Ratio	Lower	Upper	
156	100		
77	187.2	93.6	280.8
158	96.7	48.4	145.0

Manual Integrations
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#78

n-propylbenzene

Concen: 47.736 ug/l

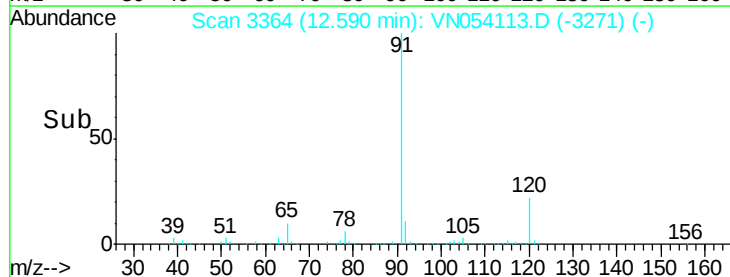
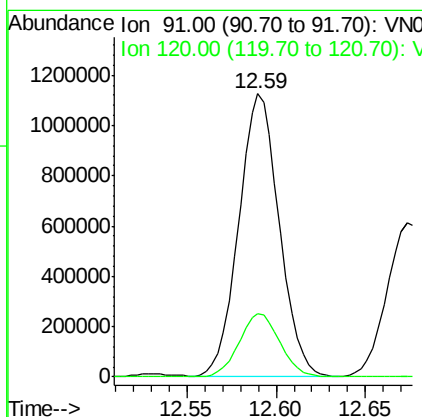
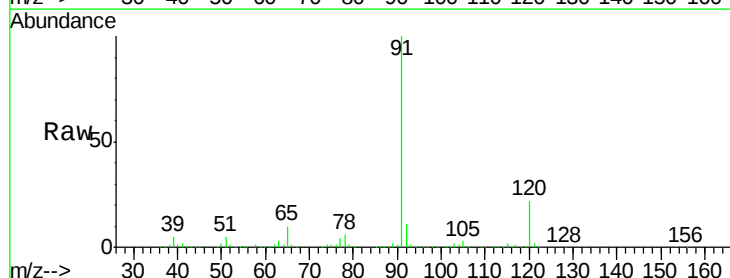
RT: 12.59 min Scan# 3364

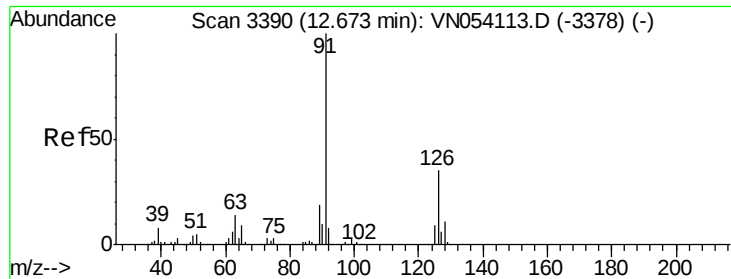
Delta R.T. 0.00 min

Lab File: VN054113.D

Acq: 6 Mar 2019 11:29

Tgt Ion:	91	Resp:	1772699
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.3	33.9





#79

2-Chlorotoluene

Concen: 45.777 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054113.D

Acq: 6 Mar 2019 11:29

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 91 Resp: 1032466

Ion Ratio Lower Upper

91 100

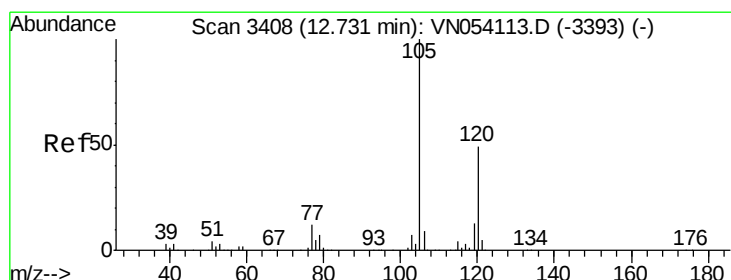
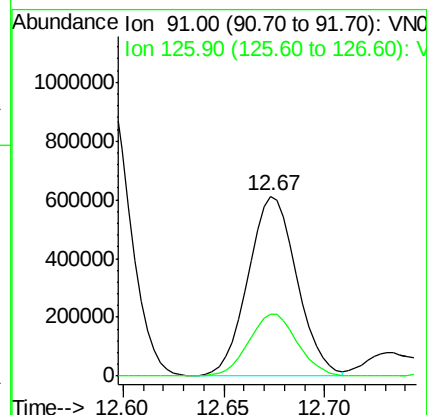
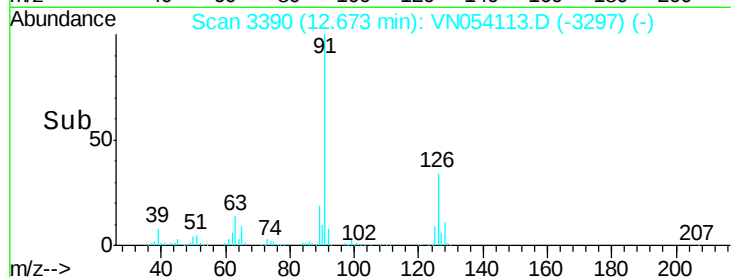
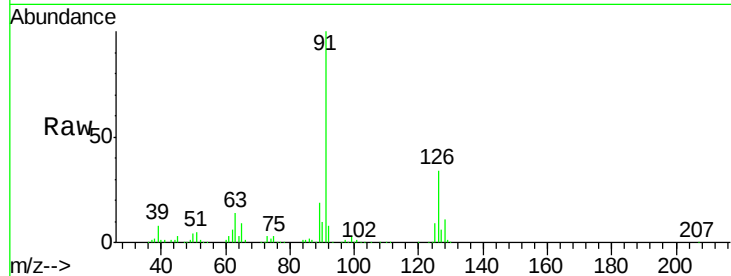
126 34.8 17.4 52.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 47.361 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054113.D

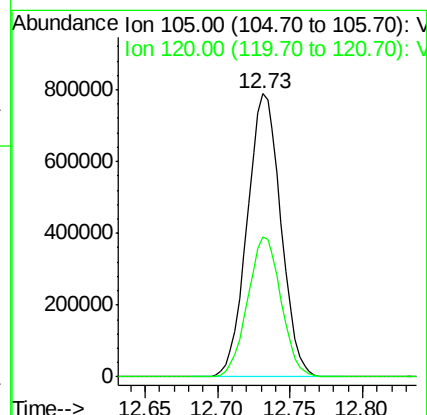
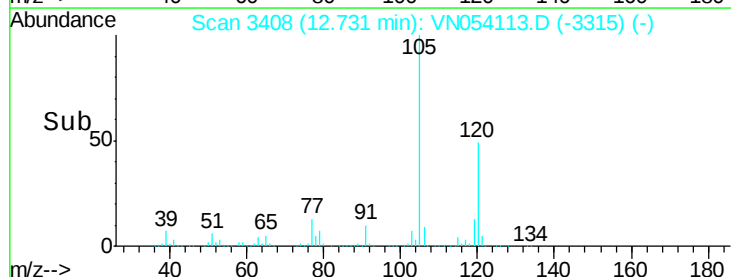
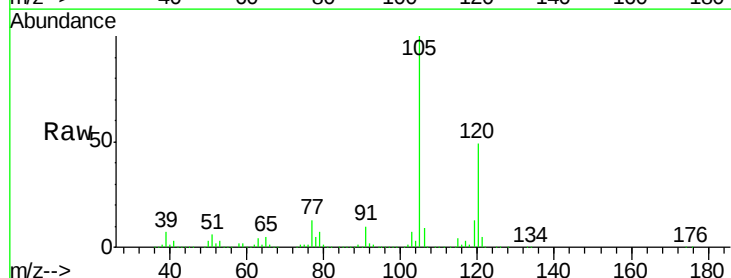
Acq: 6 Mar 2019 11:29

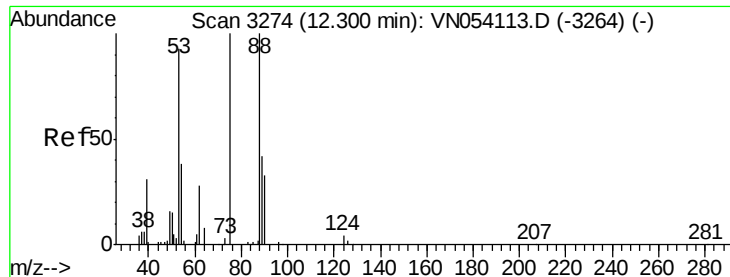
Tgt Ion: 105 Resp: 1270546

Ion Ratio Lower Upper

105 100

120 49.2 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 49.598 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054113.D

Acq: 6 Mar 2019 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 102084

Ion Ratio Lower Upper

75 100

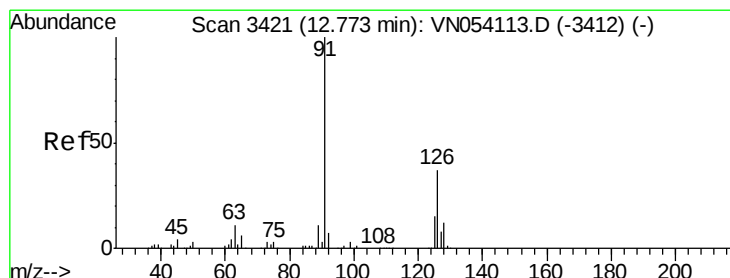
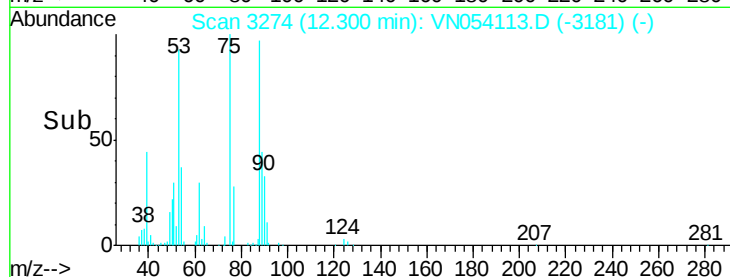
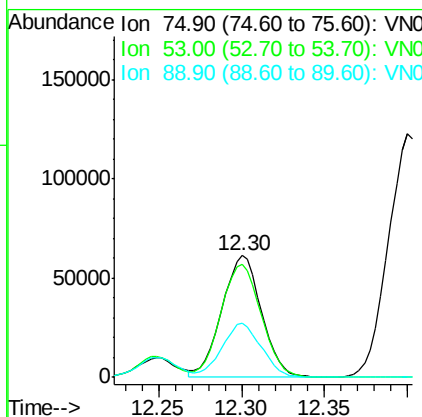
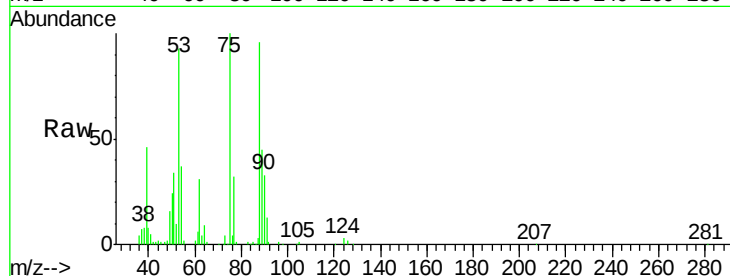
53 95.5 76.4 114.6

89 44.1 35.3 52.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 46.684 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054113.D

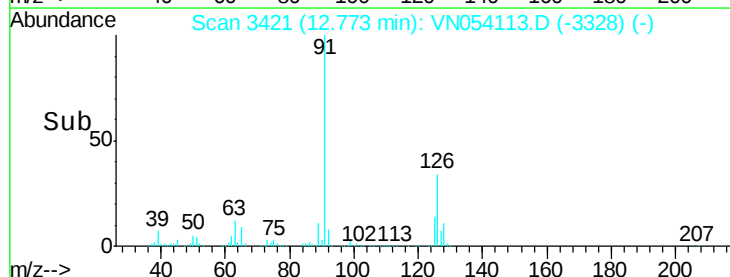
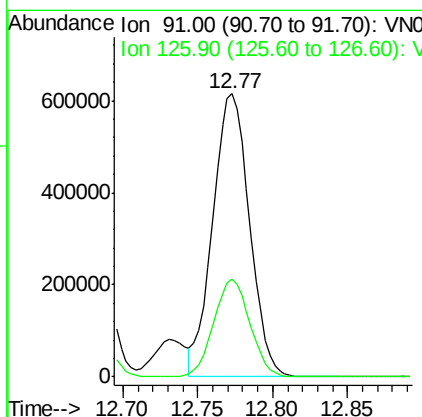
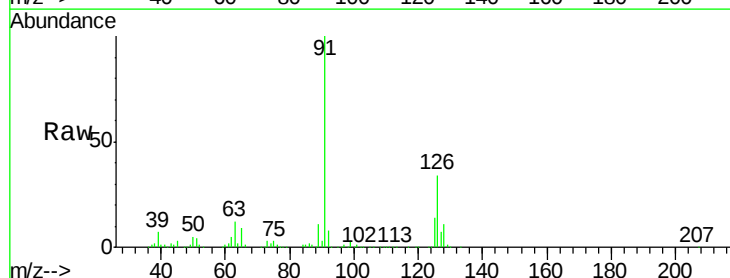
Acq: 6 Mar 2019 11:29

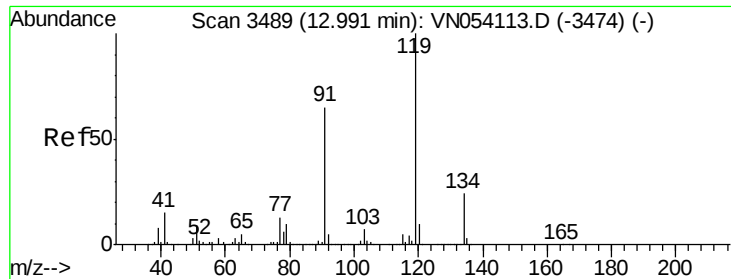
Tgt Ion: 91 Resp: 1049618

Ion Ratio Lower Upper

91 100

126 34.2 17.1 51.3





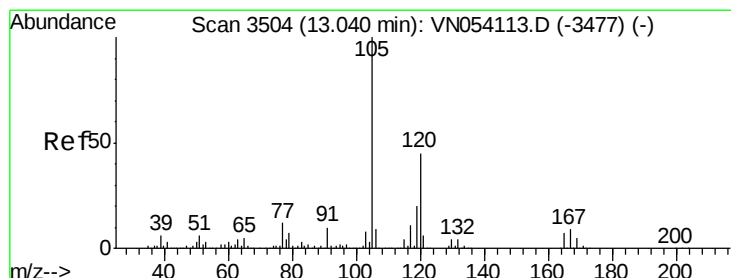
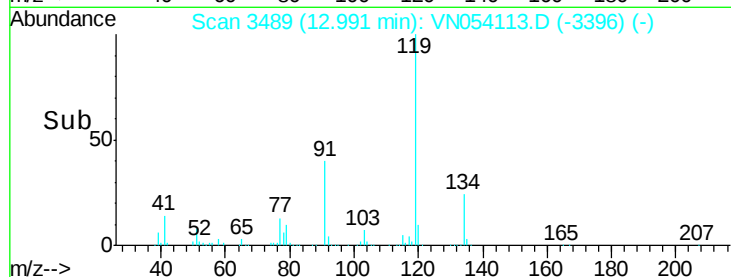
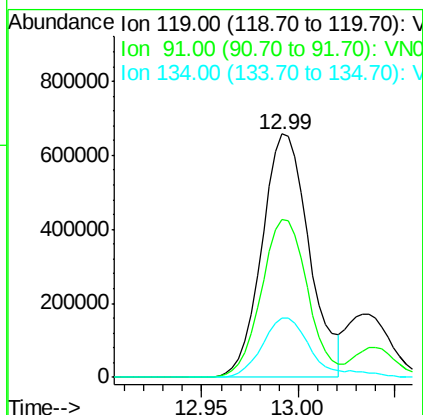
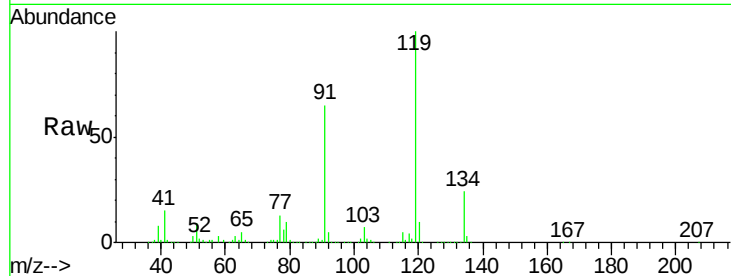
#83
tert-Butylbenzene
Concen: 47.037 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054113.D
Acq: 6 Mar 2019 11:29

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion:119 Resp: 1117498
Ion Ratio Lower Upper
119 100
91 63.5 31.8 95.3
134 25.5 12.8 38.3

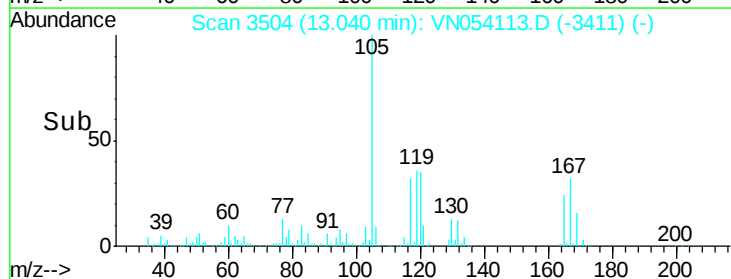
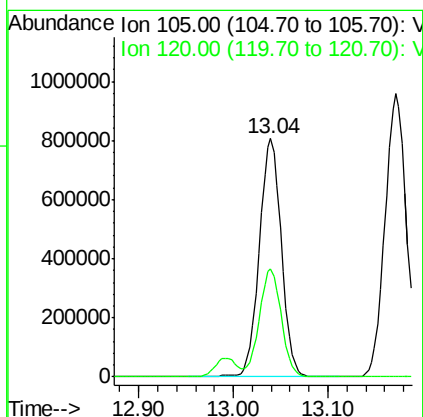
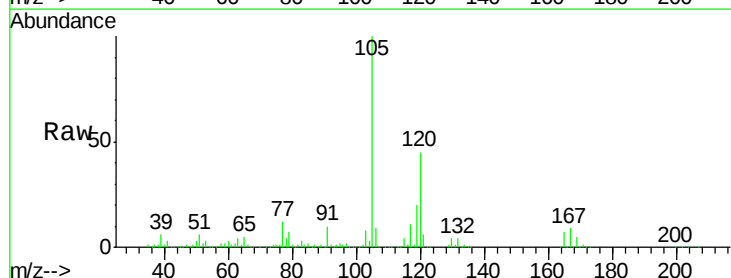
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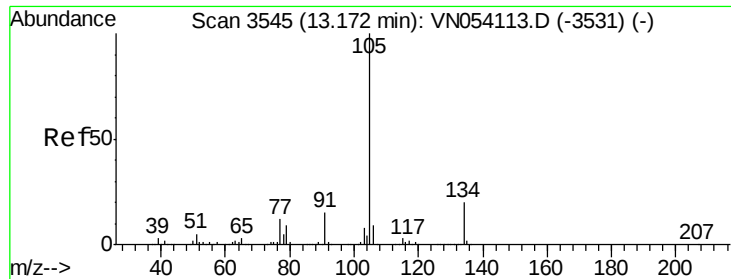
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 48.683 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054113.D
Acq: 6 Mar 2019 11:29

Tgt Ion:105 Resp: 1296252
Ion Ratio Lower Upper
105 100
120 45.1 22.6 67.7





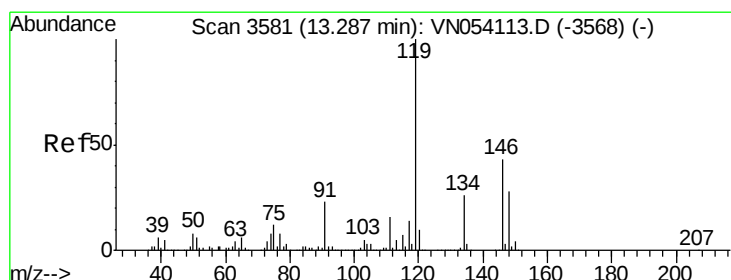
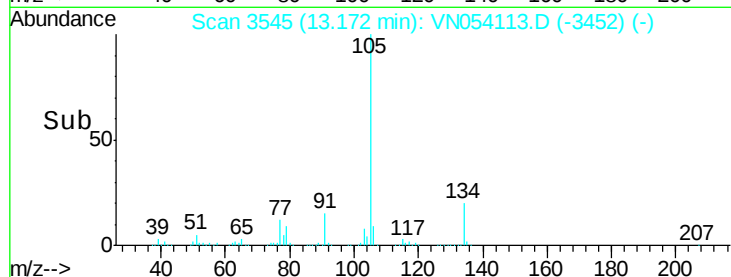
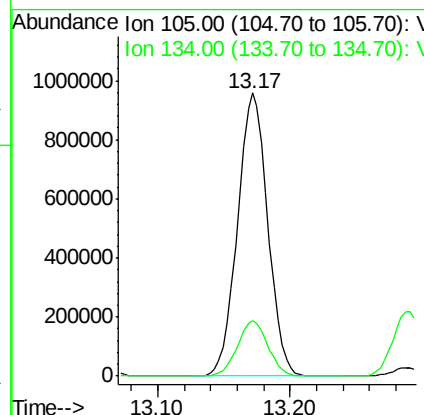
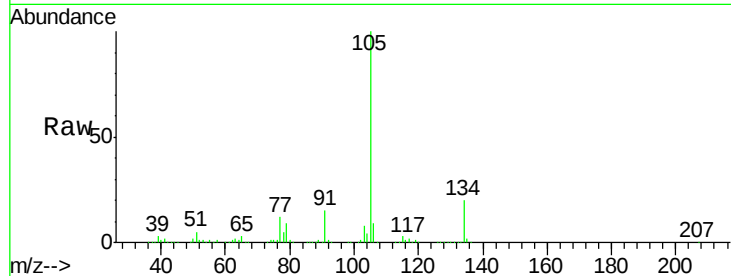
#85
 sec-Butylbenzene
 Concen: 46.816 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054113.D
 Acq: 6 Mar 2019 11:29

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion:105 Resp: 1509381
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.8 29.5

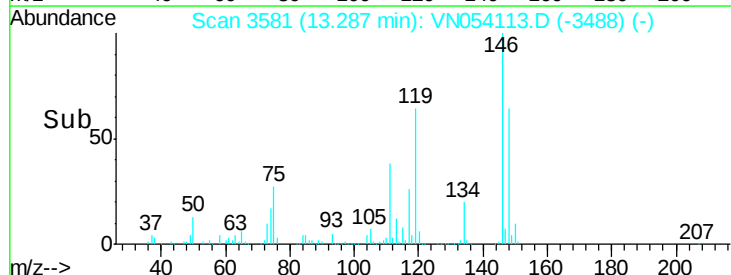
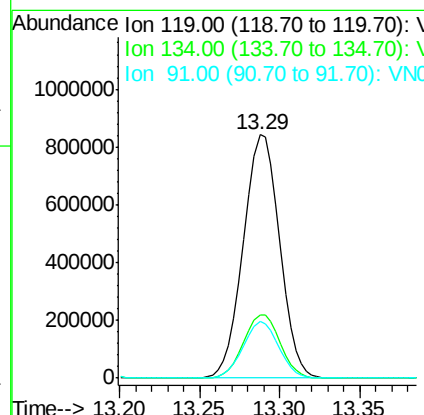
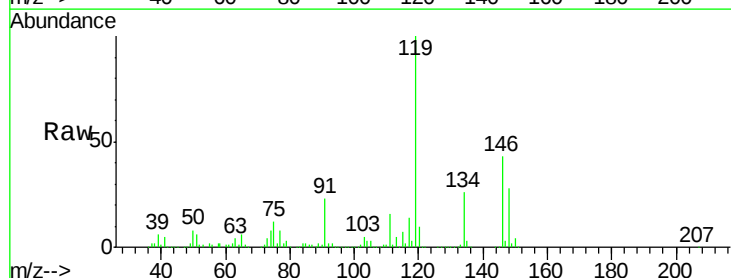
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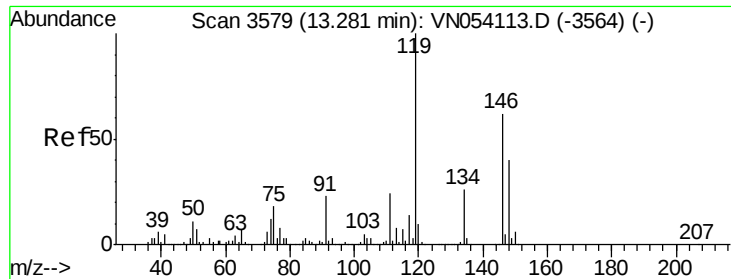
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#86
 p-Isopropyltoluene
 Concen: 47.881 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054113.D
 Acq: 6 Mar 2019 11:29

Tgt Ion:119 Resp: 1297762
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.2 39.5
 91 22.8 11.4 34.2





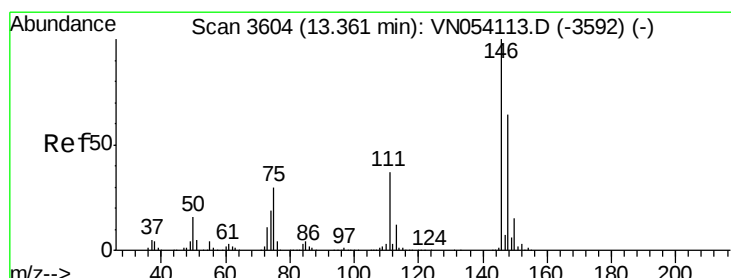
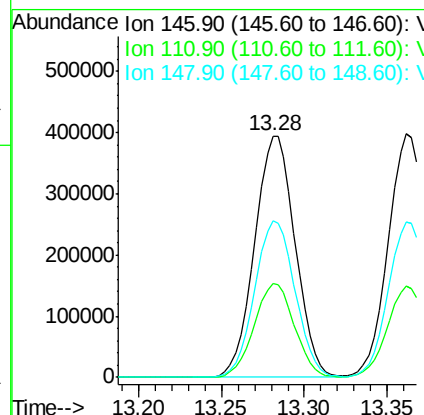
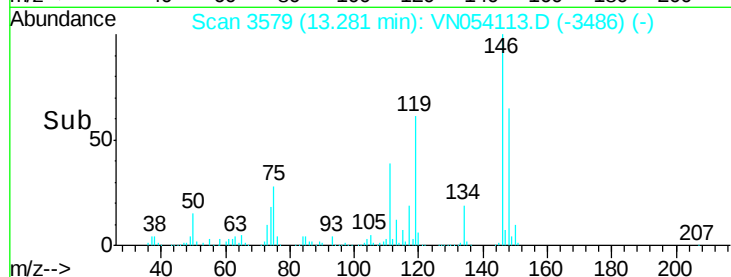
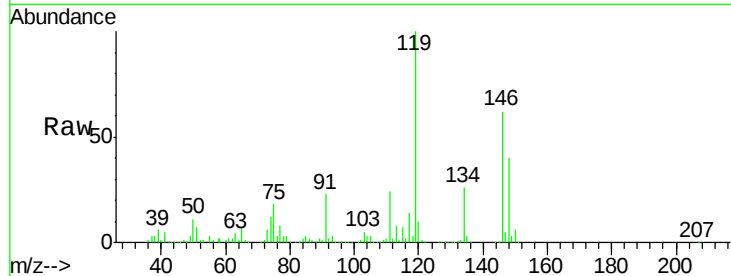
#87
 1,3-Dichlorobenzene
 Concen: 46.399 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054113.D
 Acq: 6 Mar 2019 11:29

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.3	57.8
148	64.7	32.4	97.0

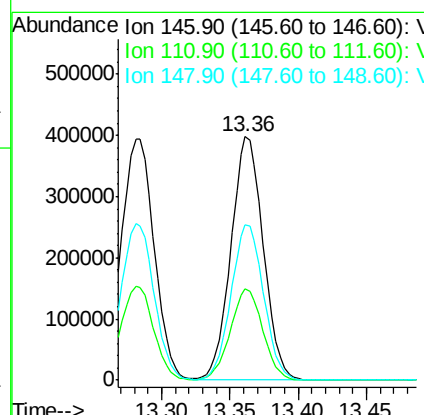
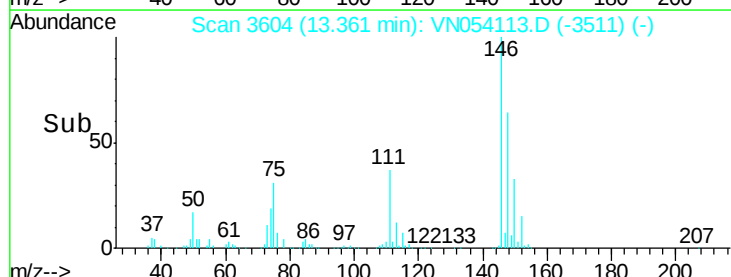
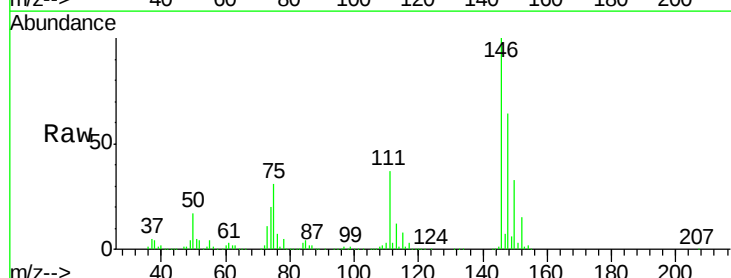
Manual Integrations
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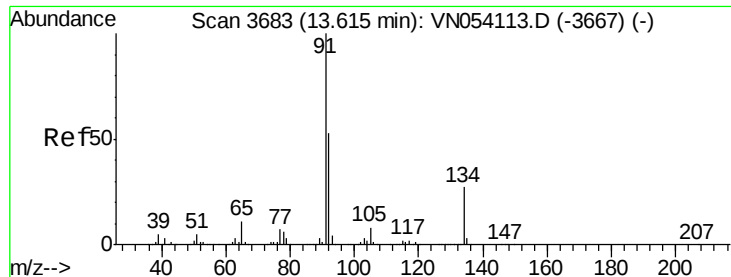
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 3/7/2019 11:38:06 AM



#88
 1,4-Dichlorobenzene
 Concen: 45.568 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054113.D
 Acq: 6 Mar 2019 11:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.9	56.5
148	64.3	32.1	96.5





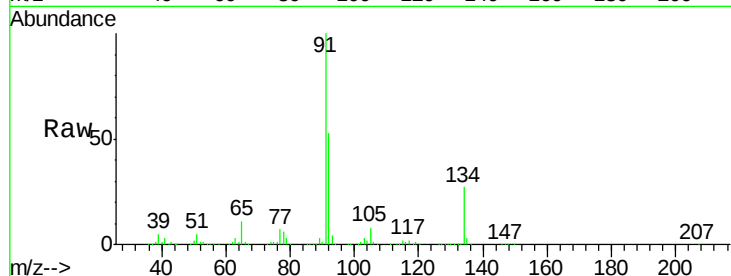
#89
n-Butylbenzene
Concen: 48.531 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054113.D
Acq: 6 Mar 2019 11:29

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

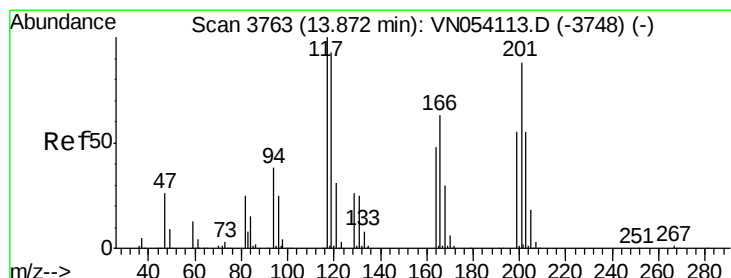
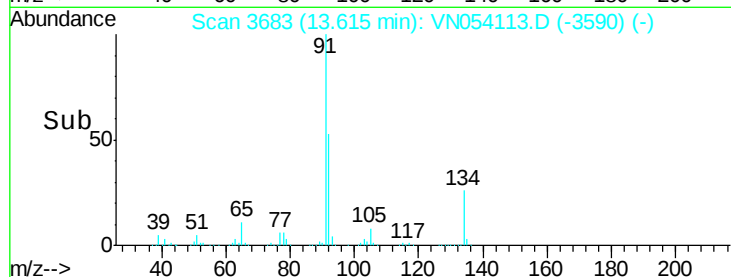
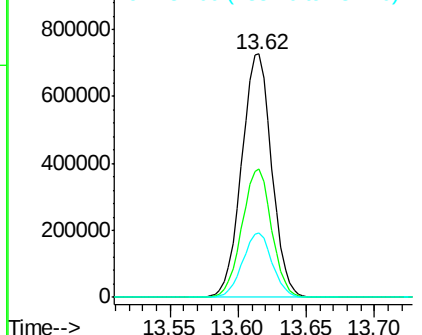
Tot Ion: 91 Resp: 1110603
Ion Ratio Lower Upper
91 100
92 52.0 26.0 78.0
134 26.1 13.1 39.1

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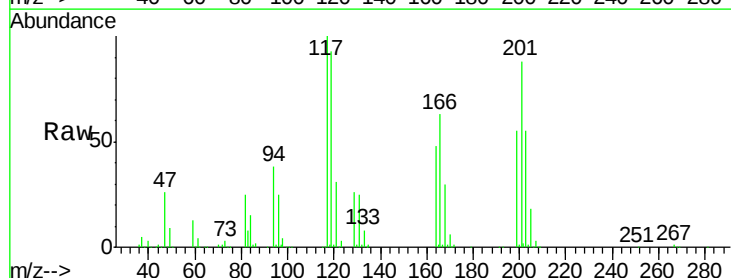


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): V

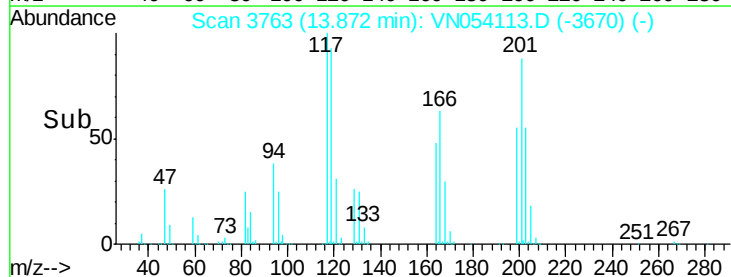
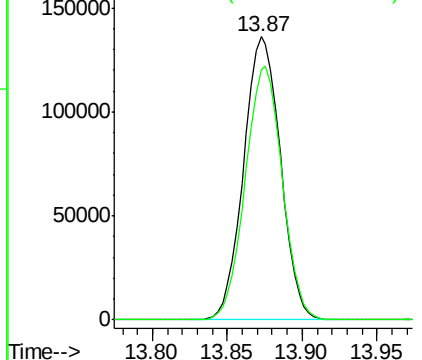


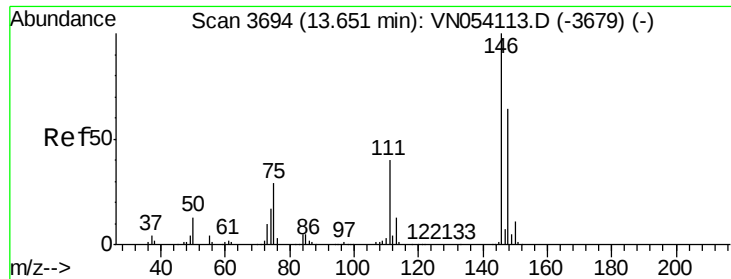
#90
Hexachloroethane
Concen: 44.950 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN054113.D
Acq: 6 Mar 2019 11:29

Tgt Ion: 117 Resp: 233677
Ion Ratio Lower Upper
117 100
201 89.8 44.9 134.7



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





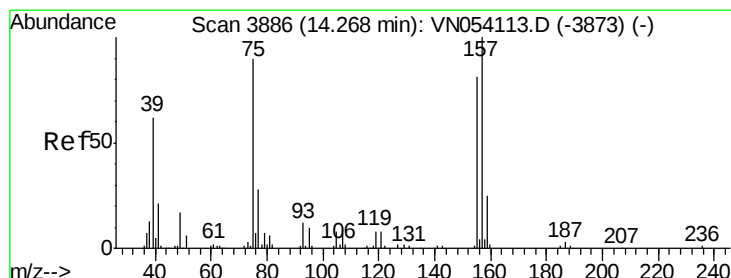
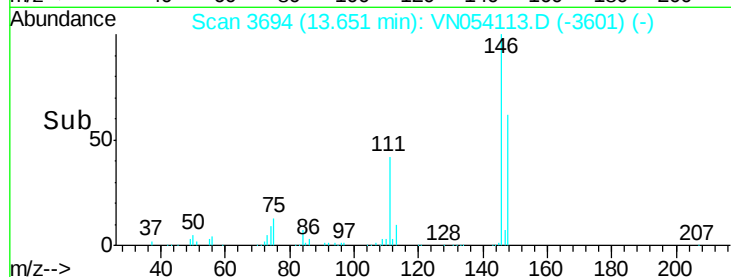
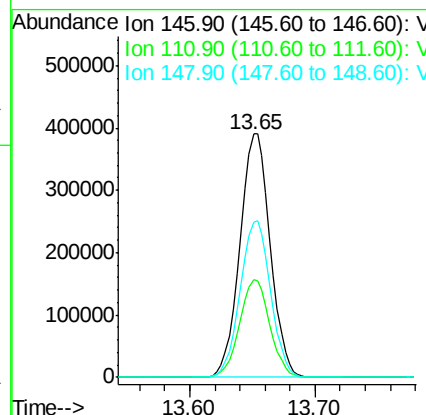
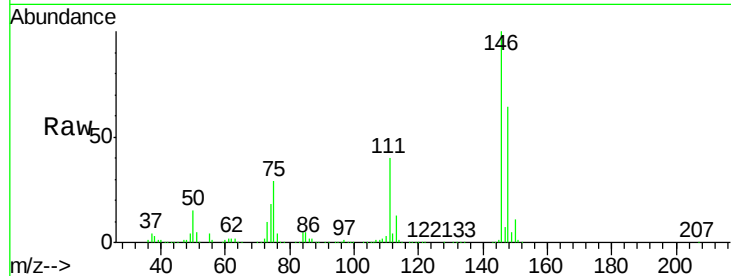
#91
 1,2-Dichlorobenzene
 Concen: 45.477 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN054113.D
 Acq: 6 Mar 2019 11:29

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	60.0
148	64.6	32.3	96.9

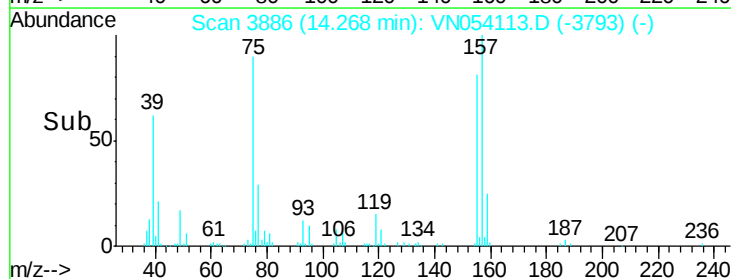
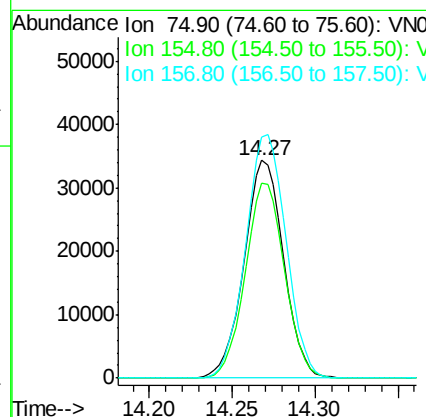
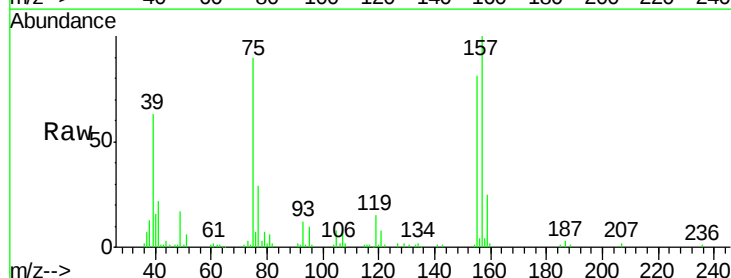
Manual Integrations
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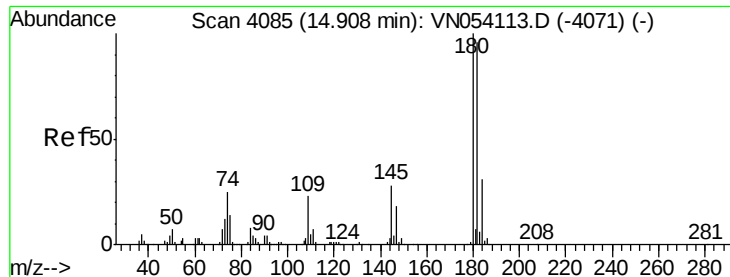
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.339 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN054113.D
 Acq: 6 Mar 2019 11:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.0	44.5	133.5
157	114.4	57.2	171.6





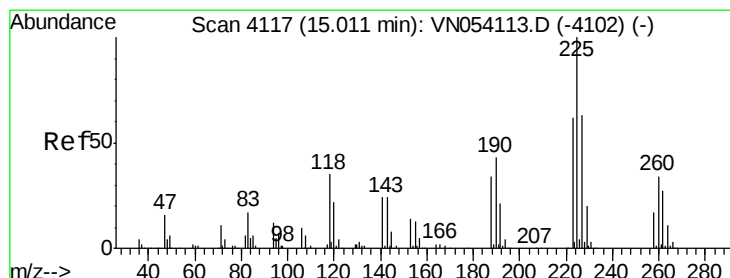
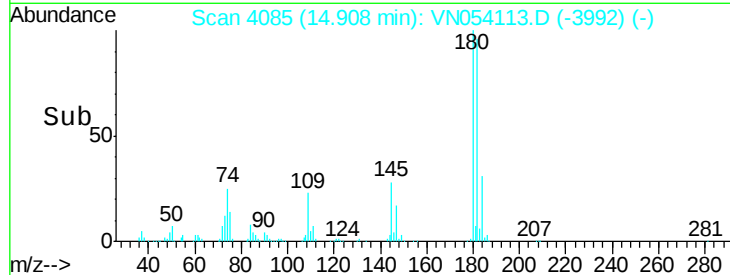
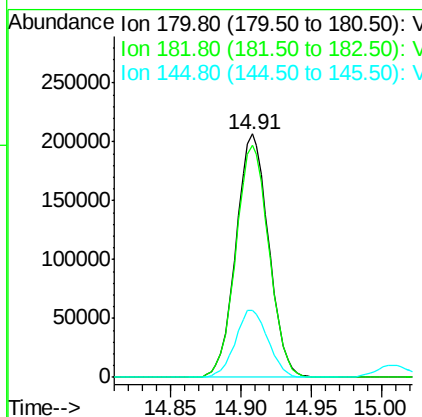
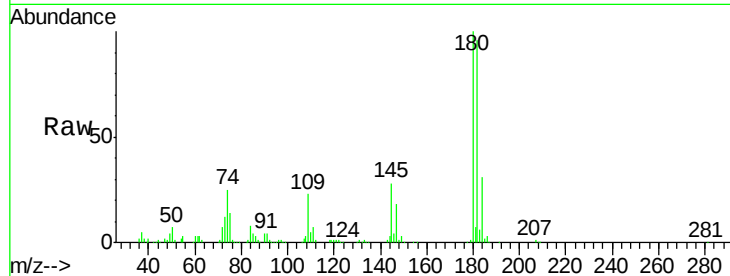
#93
 1,2,4-Trichlorobenzene
 Concen: 48.920 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054113.D
 Acq: 6 Mar 2019 11:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.2	48.1	144.3	
145	27.8	13.9	41.7	

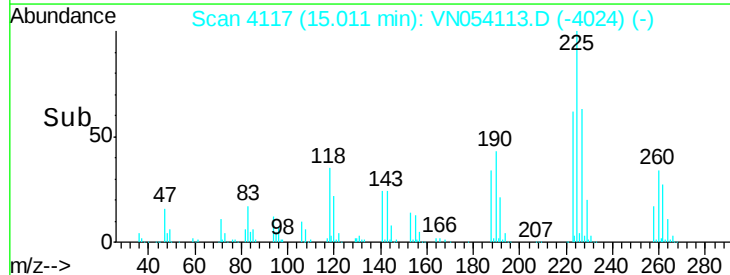
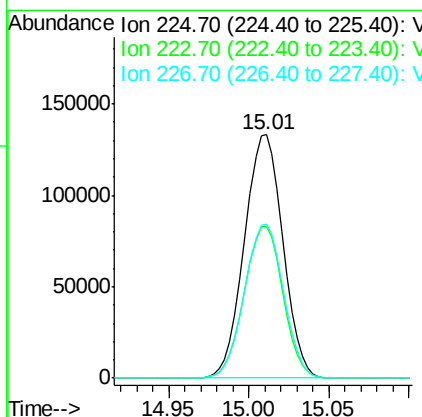
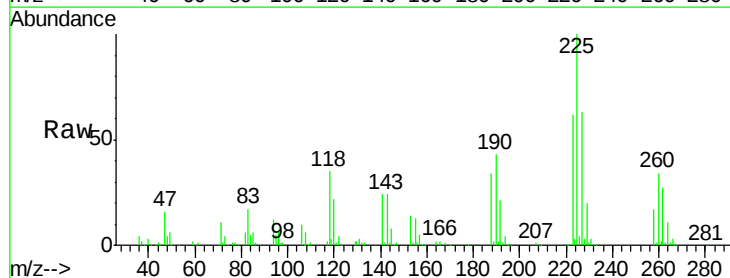
Manual Integrations
 APPROVED

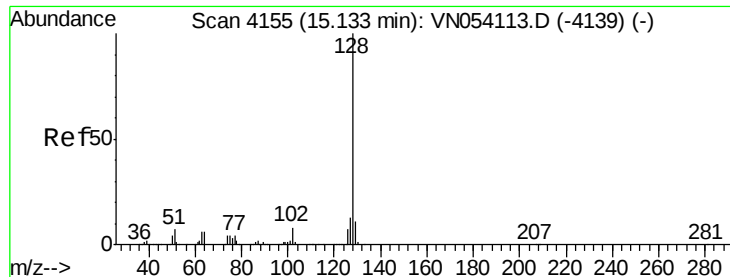
MMDadoda
 3/7/2019 11:38:06 AM



#94
 Hexachlorobutadiene
 Concen: 42.603 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054113.D
 Acq: 6 Mar 2019 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.4	31.2	93.6	
227	63.8	31.9	95.7	





#95

Naphthalene

Concen: 49.284 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054113.D

Acq: 6 Mar 2019 11:29

Instrument :

MSVOA_N

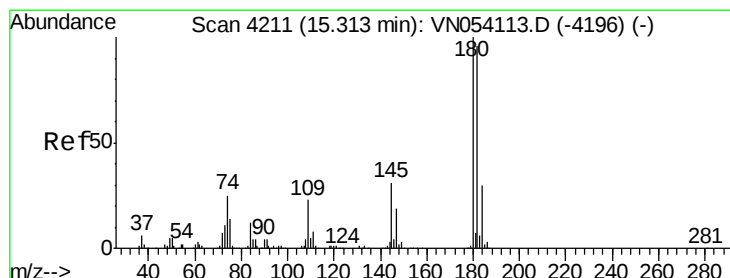
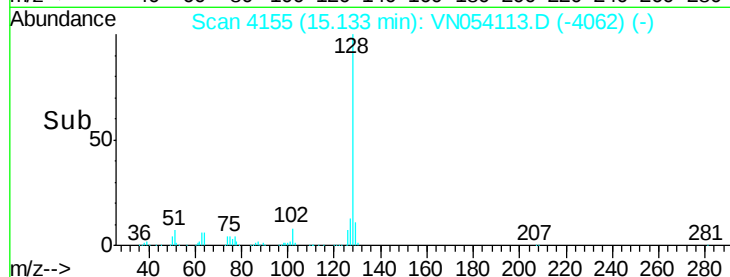
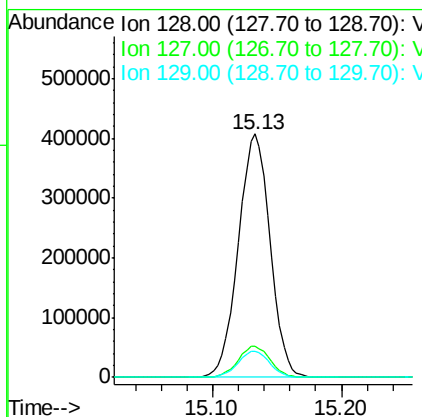
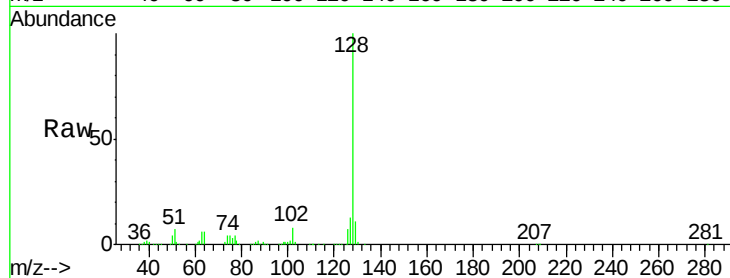
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	697638
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.7	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 46.762 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054113.D

Acq: 6 Mar 2019 11:29

Tgt Ion:	180	Resp:	323021
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.9	143.7
145	29.7	14.9	44.5

