

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040319\
 Data File : VN054934.D
 Acq On : 3 Apr 2019 19:31
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/4/2019 9:30:45 AM

Quant Time: Apr 04 03:27:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	405536	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	668213	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	587378	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	270715	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	284364	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	
35) Dibromofluoromethane	7.59	113	229304	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
50) Toluene-d8	10.09	98	849406	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	
62) 4-Bromofluorobenzene	12.40	95	291495	52.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	187063	45.603	ug/l	99
3) Chloromethane	2.06	50	262581	46.296	ug/l	99
4) Vinyl Chloride	2.19	62	235473	46.231	ug/l	98
5) Bromomethane	2.57	94	133280	49.906	ug/l	97
6) Chloroethane	2.71	64	137086	48.200	ug/l	97
7) Trichlorofluoromethane	3.02	101	312105	49.842	ug/l	99
8) Diethyl Ether	3.41	74	105984	52.562	ug/l	70
9) 1,1,2-Trichlorotrifluoroet	3.75	101	166210	50.421	ug/l	94
10) Methyl Iodide	3.95	142	231154	51.223	ug/l #	88
11) Tert butyl alcohol	4.82	59	76187	267.485	ug/l #	85
12) 1,1-Dichloroethene	3.73	96	158322	49.666	ug/l #	75
13) Acrolein	3.61	56	60271	236.700	ug/l	99
14) Allyl chloride	4.32	41	394720	50.271	ug/l #	91
15) Acrylonitrile	5.00	53	439276	277.469	ug/l	100
16) Acetone	3.82	43	340778	261.408	ug/l #	81
17) Carbon Disulfide	4.04	76	439449	42.503	ug/l	99
18) Methyl Acetate	4.33	43	201241	59.441	ug/l #	89
19) Methyl tert-butyl Ether	5.06	73	597209	53.558	ug/l	94
20) Methylene Chloride	4.55	84	231500	50.343	ug/l #	86
21) trans-1,2-Dichloroethene	5.04	96	205580	49.099	ug/l	86
22) Diisopropyl ether	5.96	45	843454	54.312	ug/l #	93
23) Vinyl Acetate	5.90	43	3016691	279.138	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	434880	52.496	ug/l	97
25) 2-Butanone	6.85	43	556638	288.862	ug/l #	88
26) 2,2-Dichloropropane	6.82	77	308495	53.132	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	249129	52.670	ug/l	87
28) Bromochloromethane	7.19	49	220919	53.332	ug/l #	71
29) Tetrahydrofuran	7.22	42	362580	270.906	ug/l #	83
30) Chloroform	7.37	83	425302	53.841	ug/l	96
31) Cyclohexane	7.65	56	390602	51.822	ug/l	85
32) 1,1,1-Trichloroethane	7.57	97	346513	52.933	ug/l	95
36) 1,1-Dichloropropene	7.79	75	310340	49.842	ug/l	95
37) Ethyl Acetate	6.94	43	243463	53.321	ug/l #	94
38) Carbon Tetrachloride	7.77	117	300121	49.627	ug/l	99

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

39) Methylcyclohexane	9.08	83	341279	49.856	ug/l #	88
40) Benzene	8.04	78	926143	51.983	ug/l	100
41) Methacrylonitrile	7.18	41	146935	57.285	ug/l #	87
42) 1,2-Dichloroethane	8.13	62	332000	52.189	ug/l	96
43) Isopropyl Acetate	8.17	43	415771	56.040	ug/l #	94
44) Trichloroethene	8.84	130	239138	51.707	ug/l	93
45) 1,2-Dichloropropane	9.12	63	266550	52.469	ug/l	100
46) Dibromomethane	9.21	93	151960	53.174	ug/l	88
47) Bromodichloromethane	9.40	83	322126	54.236	ug/l	97
48) Methyl methacrylate	9.20	41	209699	52.142	ug/l	89
49) 1,4-Dioxane	9.20	88	43578	1092.057	ug/l #	83
51) 4-Methyl-2-Pentanone	9.99	43	1185679	284.252	ug/l	93
52) Toluene	10.16	92	560661	52.886	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	311292	55.718	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	374512	56.116	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	208248	52.828	ug/l	98
56) Ethyl methacrylate	10.43	69	290037	56.088	ug/l #	83
57) 1,3-Dichloropropane	10.71	76	367066	54.162	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	581500	260.598	ug/l #	88
59) 2-Hexanone	10.75	43	747542	279.952	ug/l	90
60) Dibromochloromethane	10.90	129	222104	55.621	ug/l	99
61) 1,2-Dibromoethane	11.01	107	202196	53.673	ug/l	100
64) Tetrachloroethene	10.63	164	221321	49.102	ug/l	97
65) Chlorobenzene	11.43	112	592139	51.489	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	228997	53.199	ug/l	99
67) Ethyl Benzene	11.51	91	1066785	51.405	ug/l	97
68) m/p-Xylenes	11.62	106	788086	102.618	ug/l	94
69) o-Xylene	11.95	106	385785	51.228	ug/l	94
70) Styrene	11.96	104	658613	54.697	ug/l	97
71) Bromoform	12.13	173	138375	54.873	ug/l #	98
73) Isopropylbenzene	12.25	105	1033799	46.721	ug/l	97
74) N-amyl acetate	12.07	43	341776	49.579	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	262303	53.908	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	236683m	50.327	ug/l	
77) Bromobenzene	12.53	156	254097	47.581	ug/l	86
78) n-propylbenzene	12.59	91	1169565	48.090	ug/l	96
79) 2-Chlorotoluene	12.67	91	705731	46.905	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	863309	47.549	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	60701	50.205	ug/l #	85
82) 4-Chlorotoluene	12.77	91	701105	47.974	ug/l	95
83) tert-Butylbenzene	12.99	119	735226	52.362	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	857906	49.598	ug/l	97
85) sec-Butylbenzene	13.17	105	948305	48.081	ug/l	97
86) p-Isopropyltoluene	13.29	119	838967	48.229	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	435384	48.695	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	428138	48.823	ug/l	99
89) n-Butylbenzene	13.61	91	702059	49.466	ug/l	96
90) Hexachloroethane	13.87	117	142378	48.206	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	432779	47.962	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	37735	49.885	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	215765	49.598	ug/l	99
94) Hexachlorobutadiene	15.01	225	133740	51.995	ug/l	99
95) Naphthalene	15.13	128	468426	48.010	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	212242	48.309	ug/l	98

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

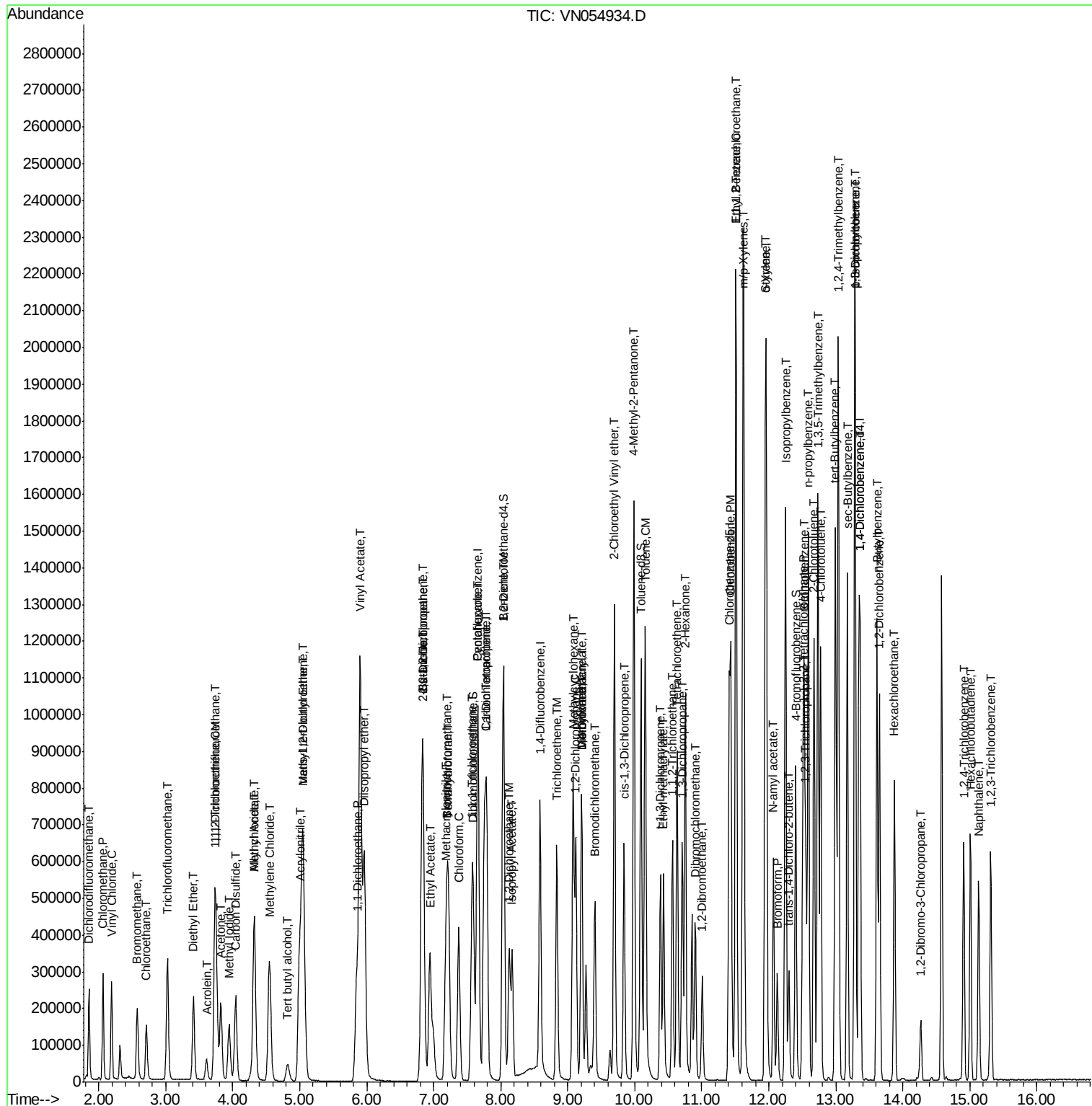
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040319\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054934.D

Acq: 3 Apr 2019 19:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 405536

Ion Ratio Lower Upper

168 100

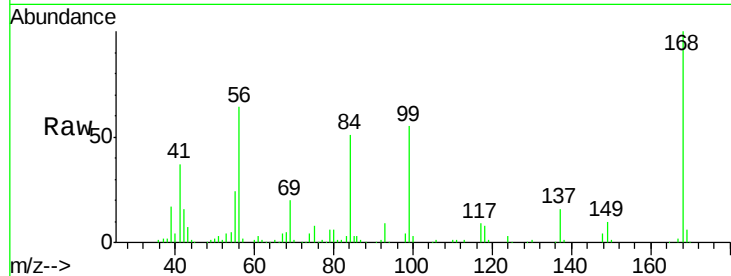
99 54.4 37.1 55.7

Manual Integrations

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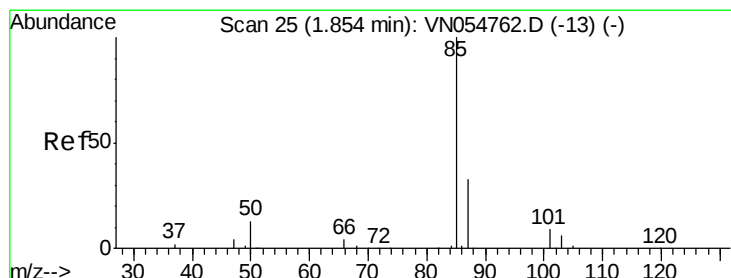
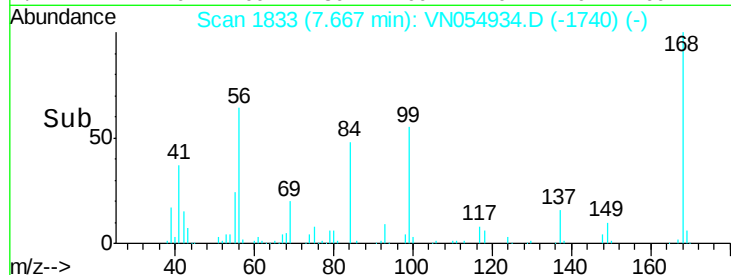
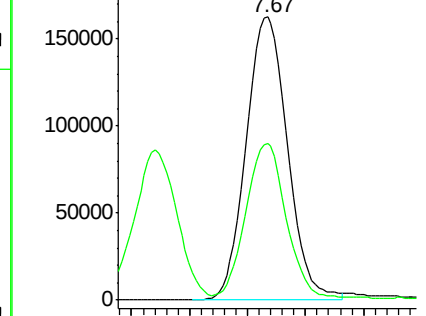
MMDadoda

4/4/2019 9:30:45 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 45.603 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054934.D

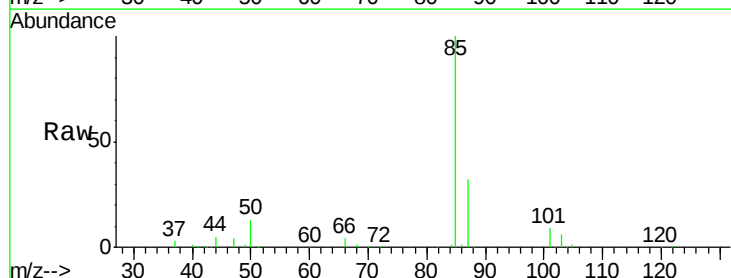
Acq: 3 Apr 2019 19:31

Tgt Ion: 85 Resp: 187063

Ion Ratio Lower Upper

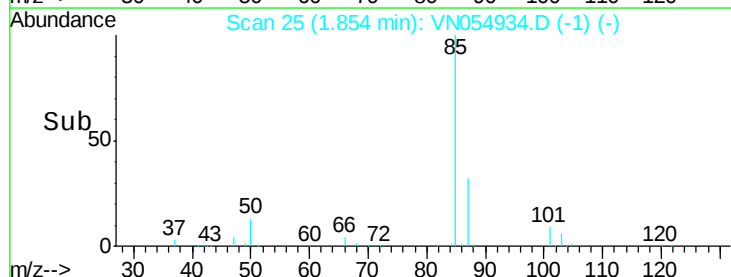
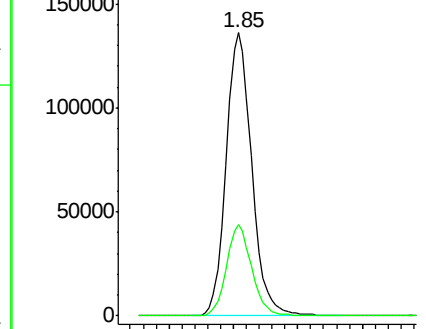
85 100

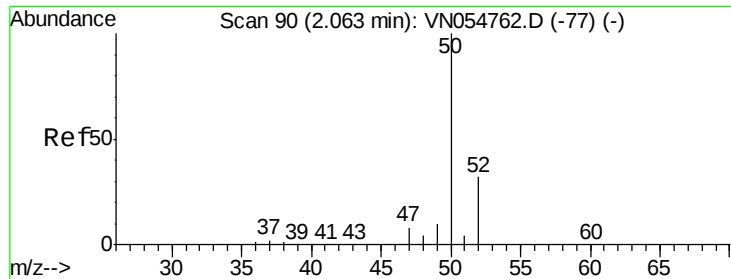
87 32.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 46.296 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054934.D

Acq: 3 Apr 2019 19:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 262581

Ion Ratio Lower Upper

50 100

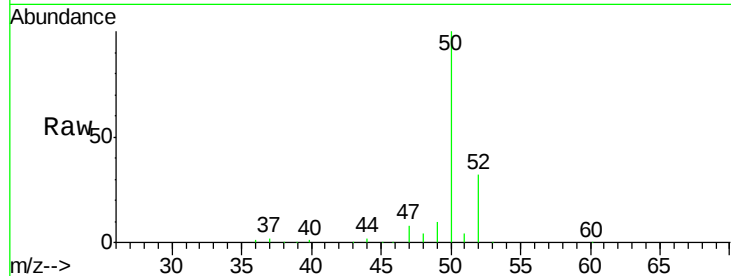
52 32.2 26.4 39.6

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

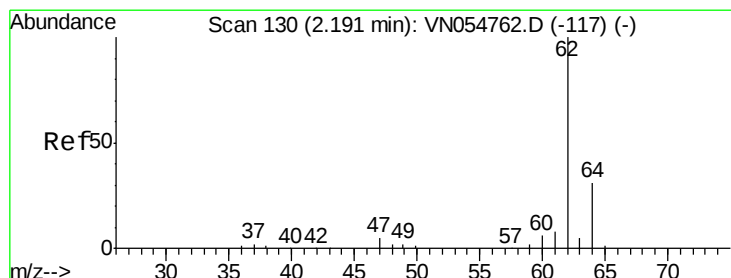
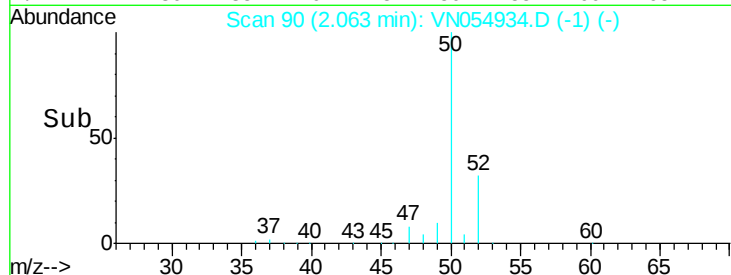
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100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 46.231 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054934.D

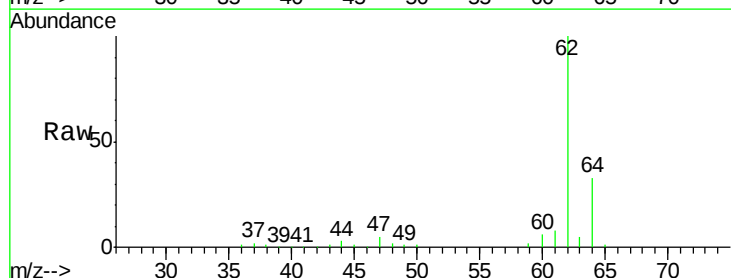
Acq: 3 Apr 2019 19:31

Tgt Ion: 62 Resp: 235473

Ion Ratio Lower Upper

62 100

64 33.1 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.19

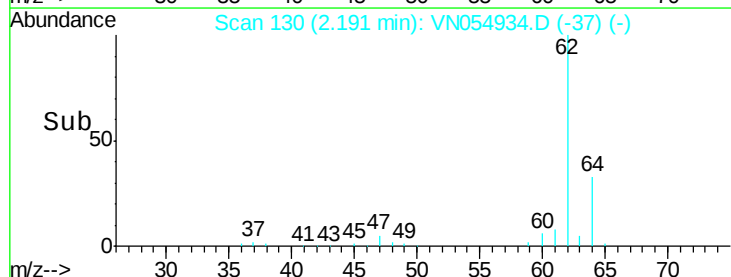
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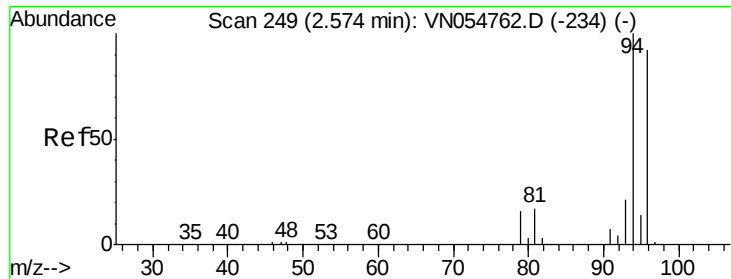
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50000

0

Time-->





#5

Bromomethane

Concen: 49.906 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054934.D

Acq: 3 Apr 2019 19:31

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 94 Resp: 133280

Ion Ratio Lower Upper

94 100

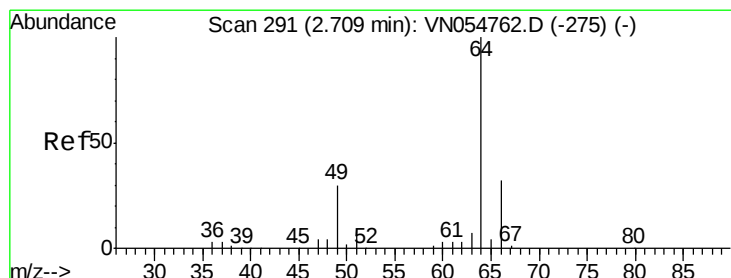
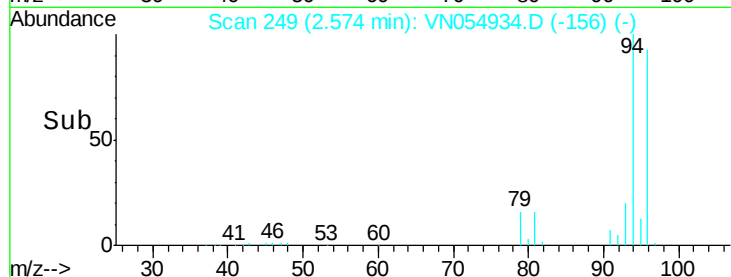
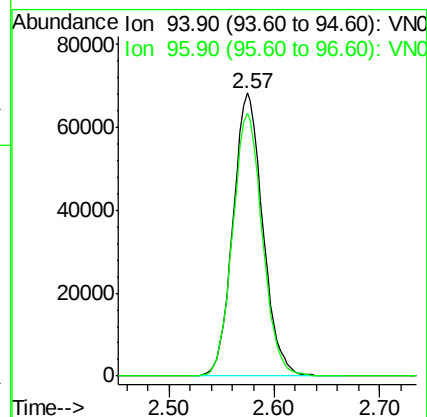
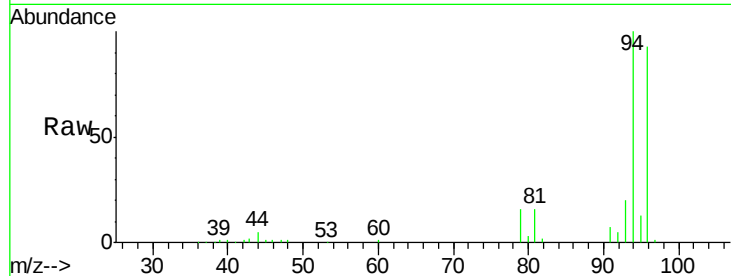
96 93.1 77.0 115.4

Manual Integrations

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#6

Chloroethane

Concen: 48.200 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054934.D

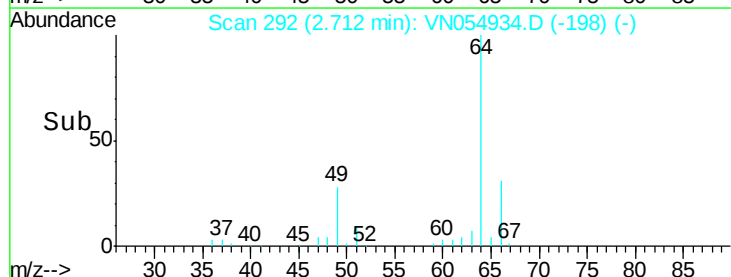
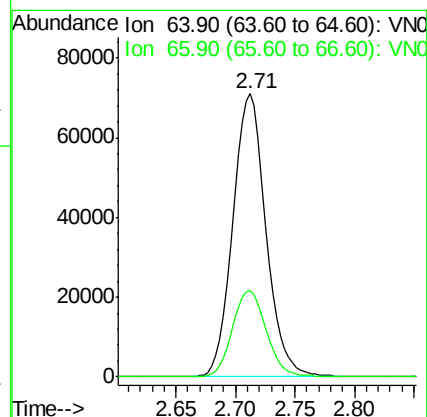
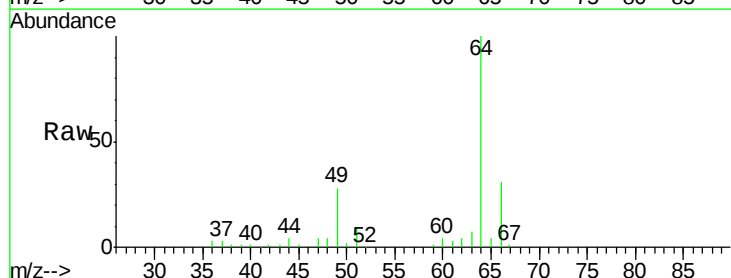
Acq: 3 Apr 2019 19:31

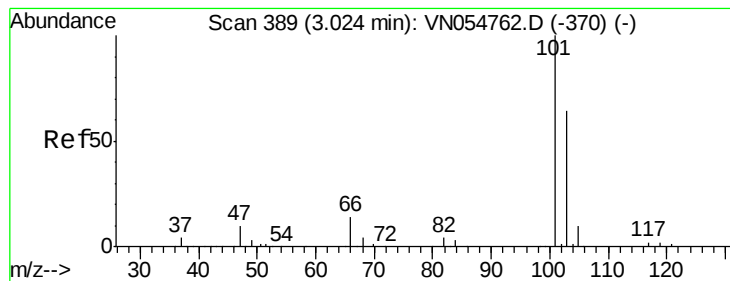
Tgt Ion: 64 Resp: 137086

Ion Ratio Lower Upper

64 100

66 30.7 25.7 38.5





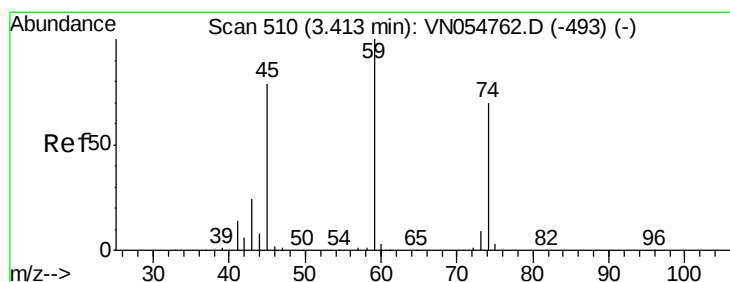
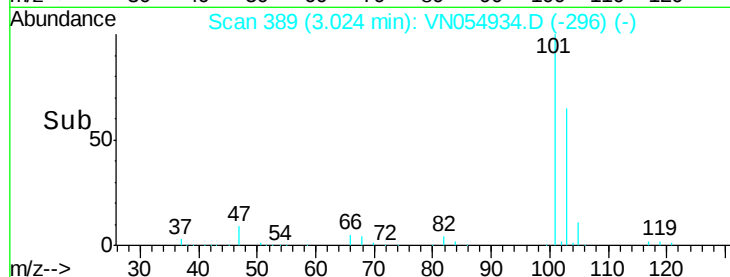
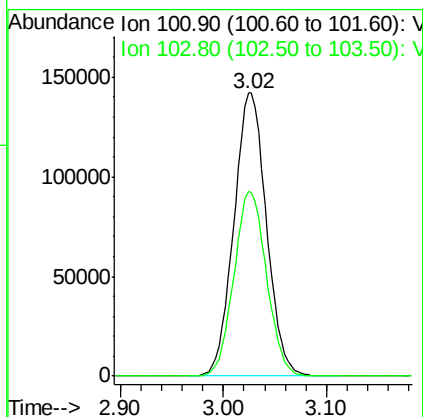
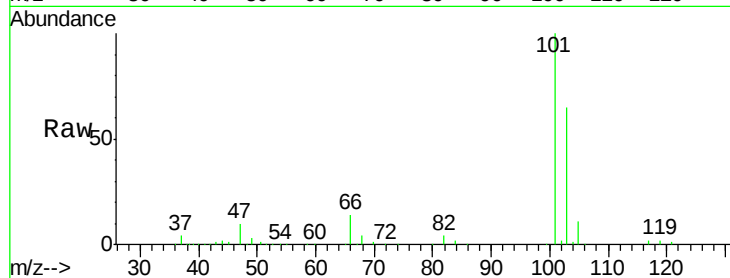
#7
 Trichlorofluoromethane
 Concen: 49.842 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN054934.D
 Acq: 3 Apr 2019 19:31

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.4	77.2

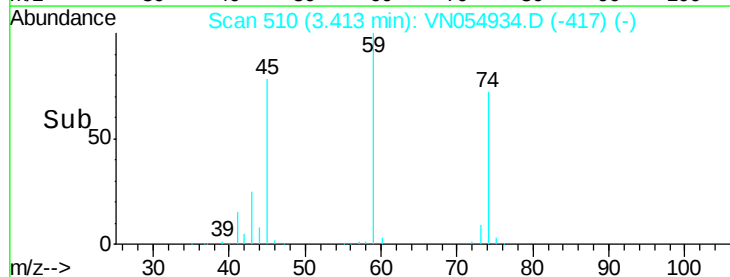
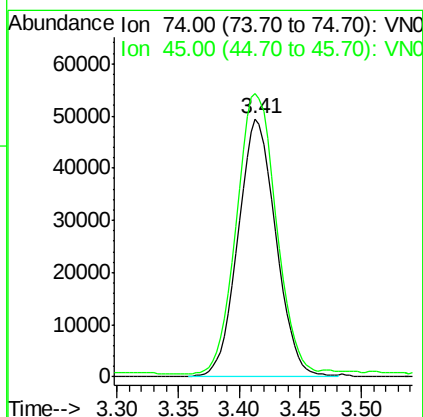
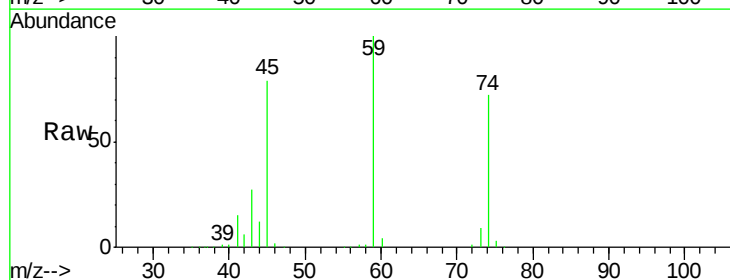
Manual Integrations
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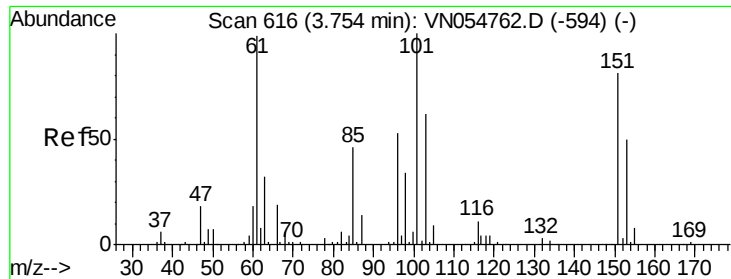
MMDadoda
 4/4/2019 9:30:45 AM



#8
 Diethyl Ether
 Concen: 52.562 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054934.D
 Acq: 3 Apr 2019 19:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	113.8	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.421 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054934.D

Acq: 3 Apr 2019 19:31

Instrument :

MSVOA_N

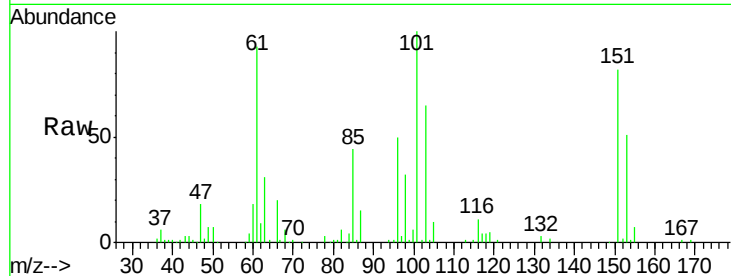
ClientSampleId :

VSTDCCC050EC

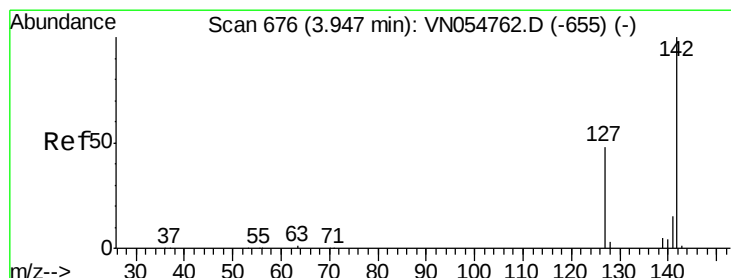
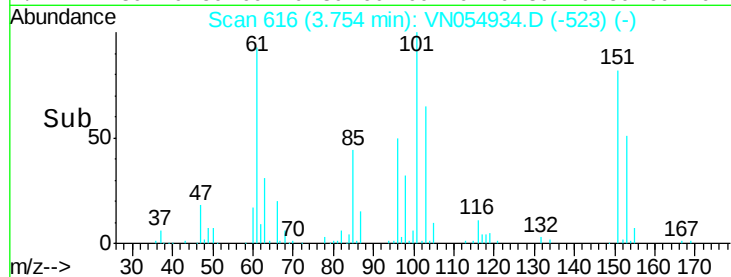
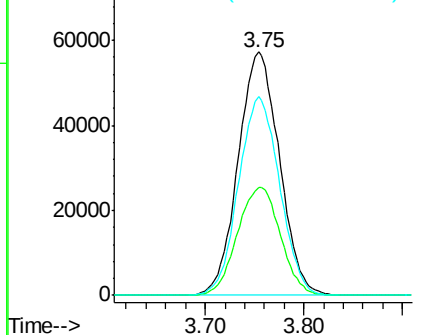
Tot Ion:	101	Resp:	166210
Ion Ratio	Lower	Upper	
101	100		
85	46.1	32.4	48.6
151	81.2	68.2	102.2

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.223 ug/l

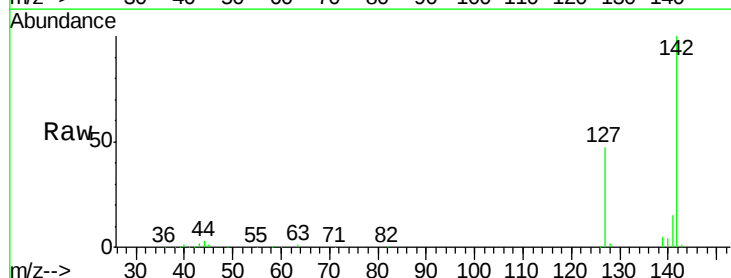
RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

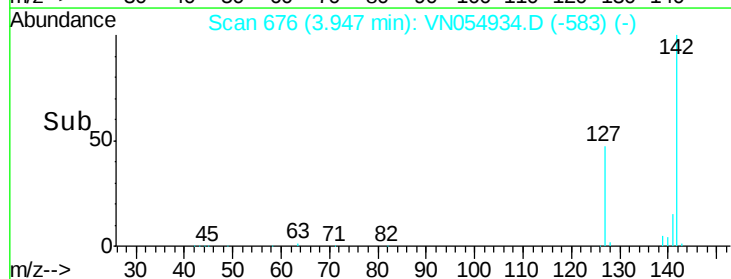
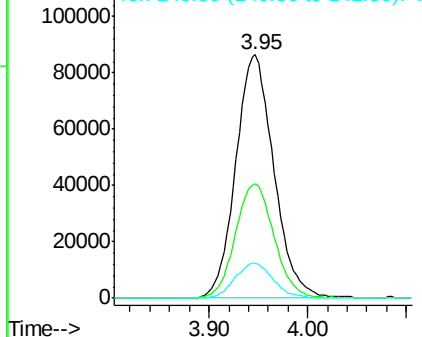
Lab File: VN054934.D

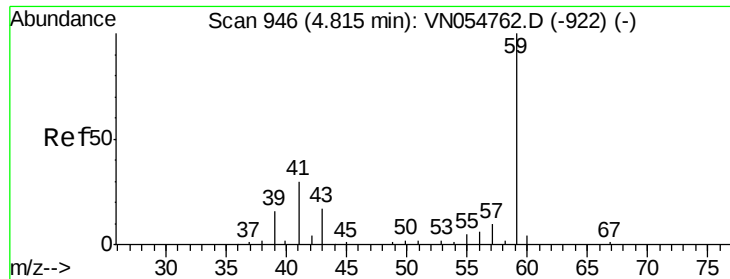
Acq: 3 Apr 2019 19:31

Tgt Ion:	142	Resp:	231154
Ion Ratio	Lower	Upper	
142	100		
127	47.8	30.3	45.5#
141	14.5	11.2	16.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





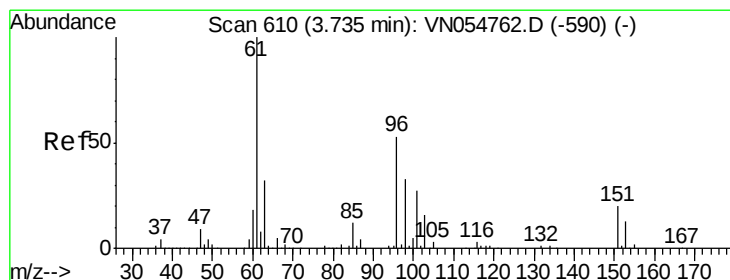
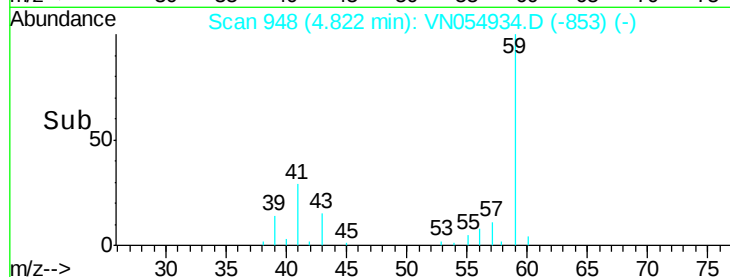
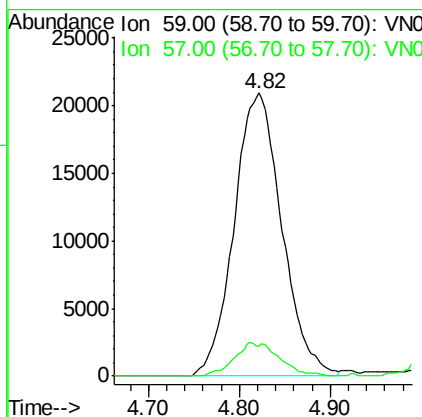
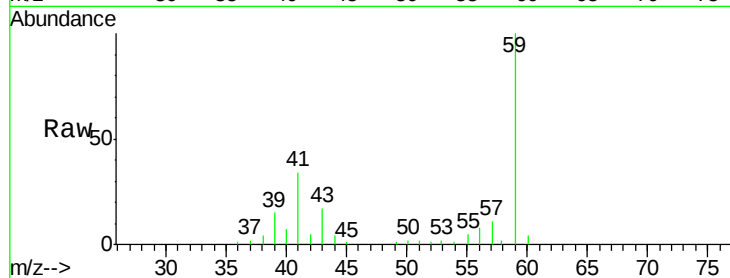
#11
Tert butyl alcohol
Concen: 267.485 ug/l
RT: 4.82 min Scan# 948
Delta R.T. 0.01 min
Lab File: VN054934.D
Acq: 3 Apr 2019 19:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 76187
Ion Ratio Lower Upper
59 100
57 5.6 9.0 13.6#

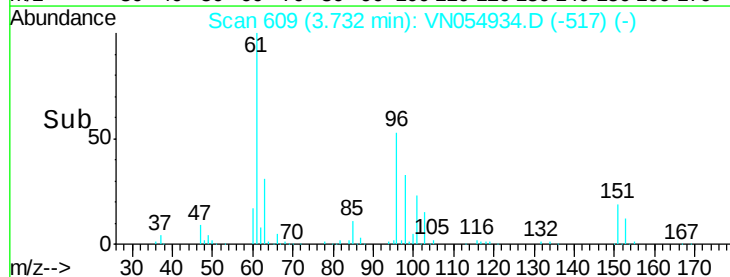
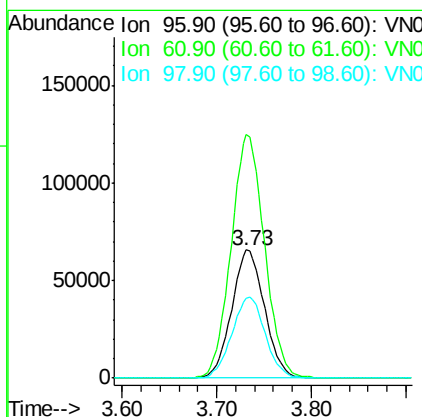
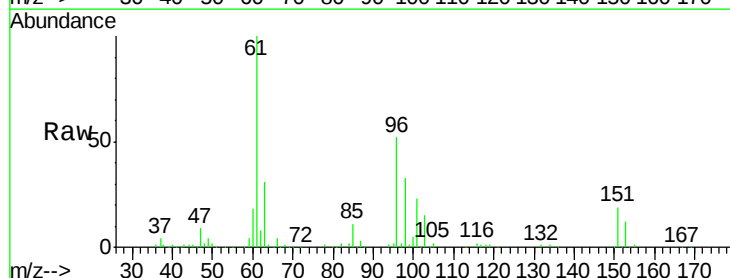
Manual Integrations
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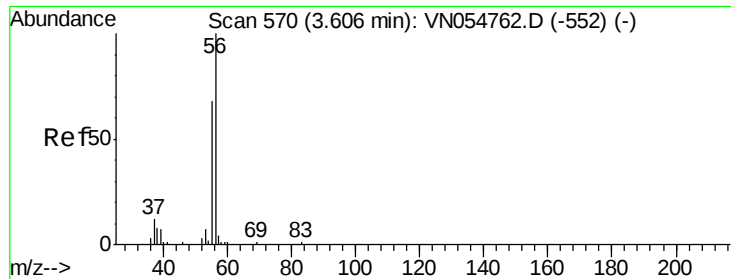
MMDadoda
4/4/2019 9:30:45 AM



#12
1,1-Dichloroethene
Concen: 49.666 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054934.D
Acq: 3 Apr 2019 19:31

Tgt Ion: 96 Resp: 158322
Ion Ratio Lower Upper
96 100
61 190.2 116.5 174.7#
98 62.5 51.0 76.4





#13

Acrolein

Concen: 236.700 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054934.D

Acq: 3 Apr 2019 19:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 60271

Ion Ratio Lower Upper

56 100

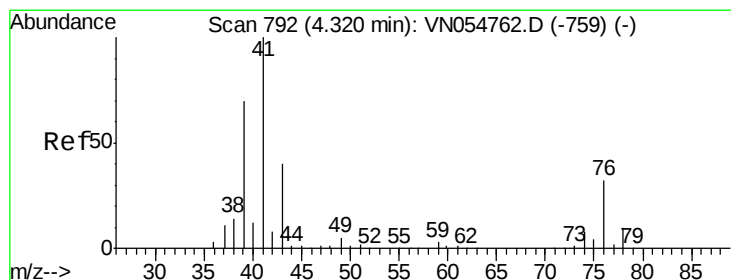
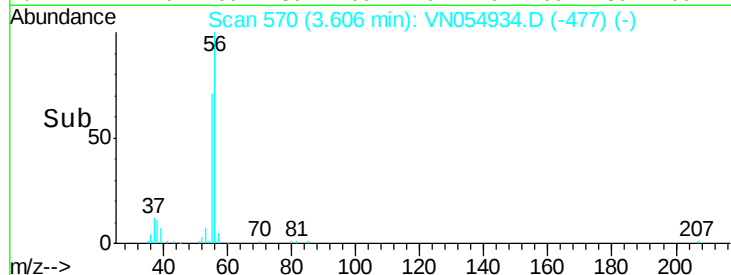
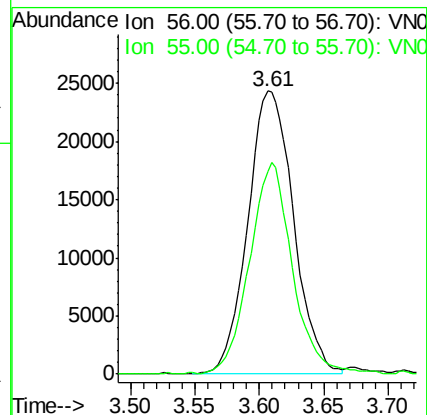
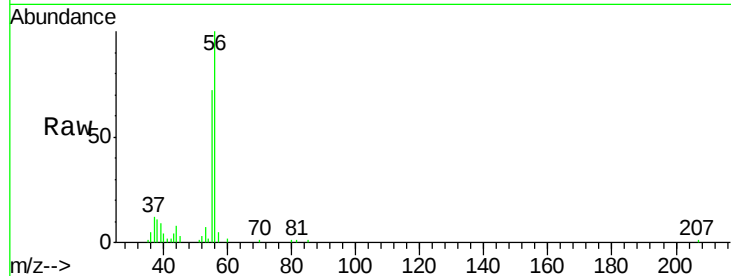
55 70.2 56.7 85.1

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#14

Allyl chloride

Concen: 50.271 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN054934.D

Acq: 3 Apr 2019 19:31

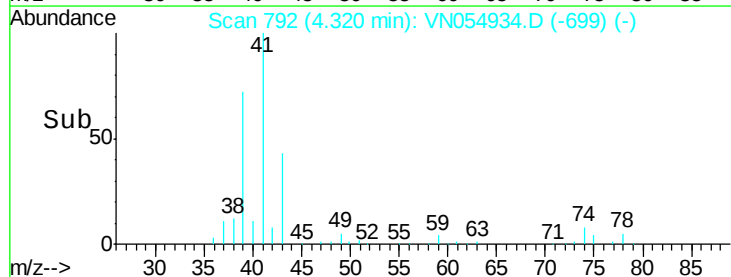
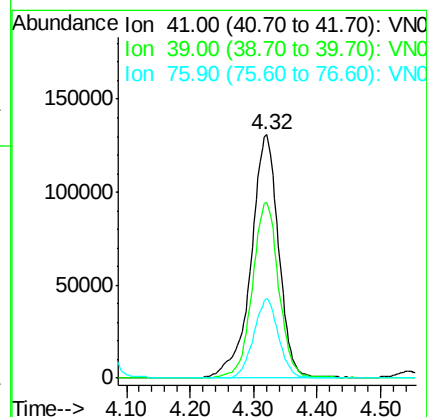
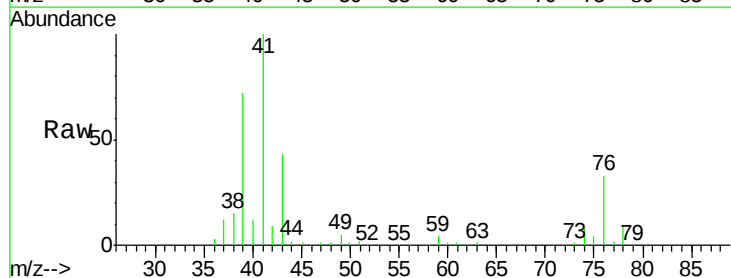
Tgt Ion: 41 Resp: 394720

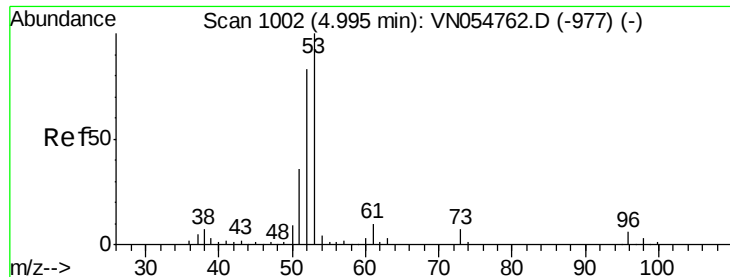
Ion Ratio Lower Upper

41 100

39 69.0 58.2 87.4

76 29.3 31.7 47.5#





#15

Acrylonitrile

Concen: 277.469 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN054934.D

Acq: 3 Apr 2019 19:31

Instrument :

MSVOA_N

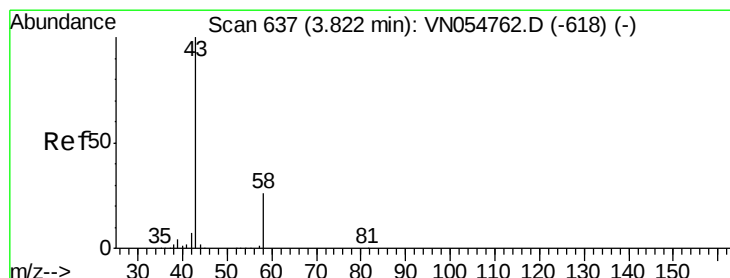
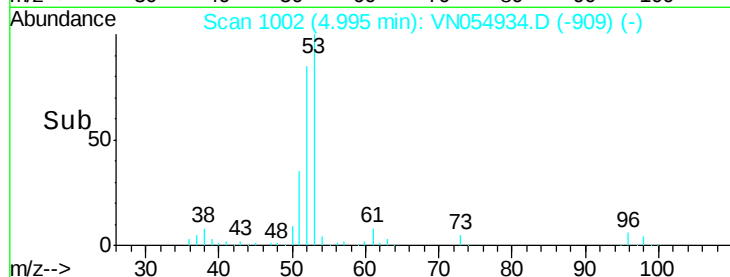
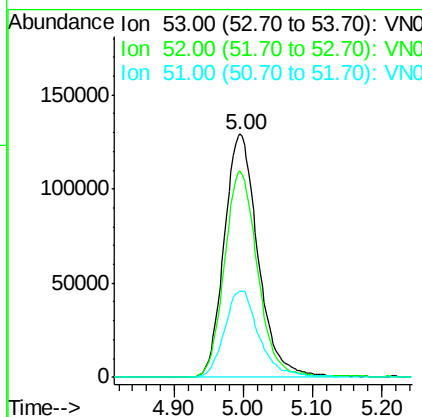
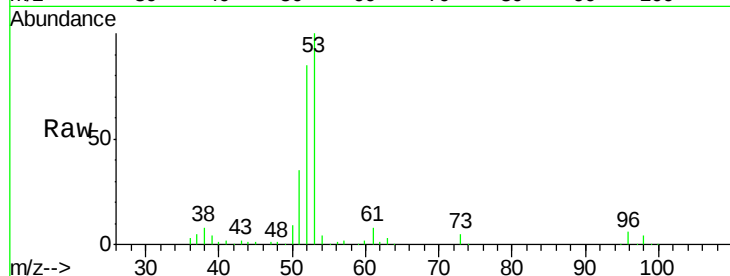
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	439276
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.4	99.6
51	36.7	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 261.408 ug/l

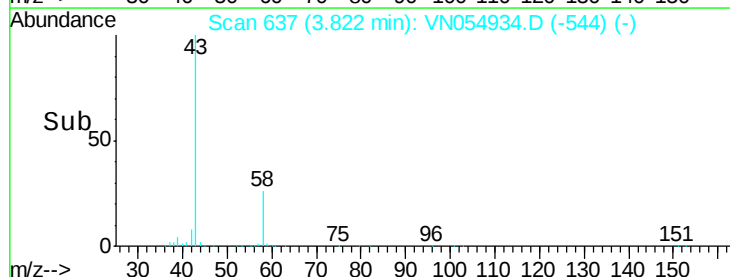
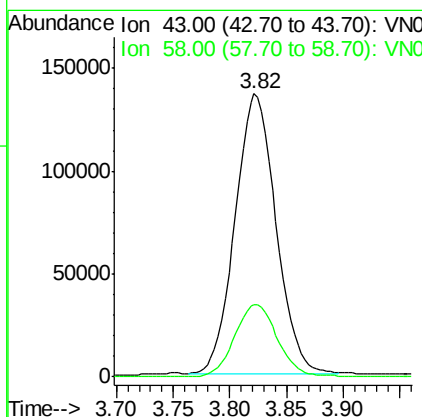
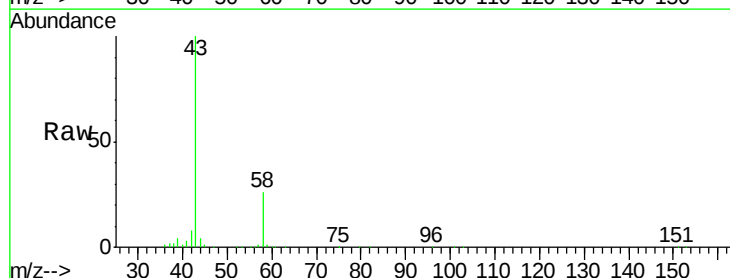
RT: 3.82 min Scan# 637

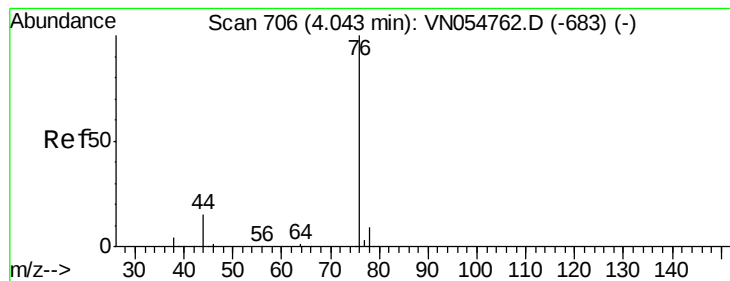
Delta R.T. 0.00 min

Lab File: VN054934.D

Acq: 3 Apr 2019 19:31

Tgt Ion:	43	Resp:	340778
Ion	Ratio	Lower	Upper
43	100		
58	25.8	29.9	44.9#





#17

Carbon Disulfide

Concen: 42.503 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN054934.D

Acq: 3 Apr 2019 19:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 439449

Ion Ratio Lower Upper

76 100

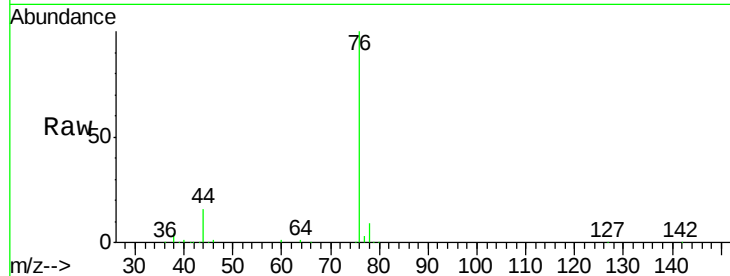
78 8.9 7.5 11.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN054934.D (-613) (-)

Ion 77.90 (77.60 to 78.60): VN054934.D (-613) (-)

200000

150000

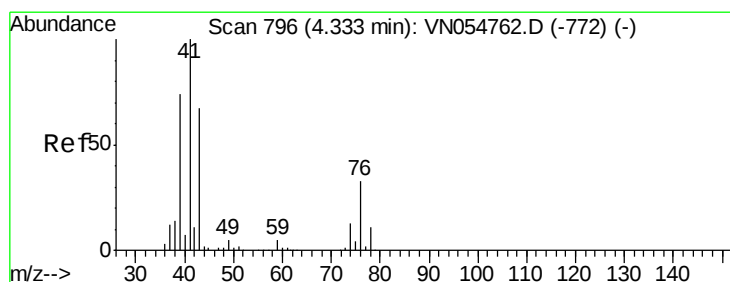
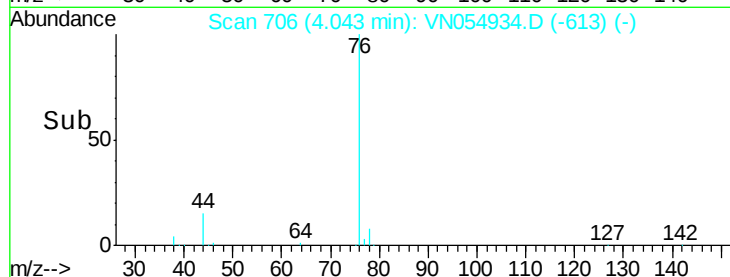
100000

50000

0

3.90 4.00 4.10 4.20

Time-->



#18

Methyl Acetate

Concen: 59.441 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054934.D

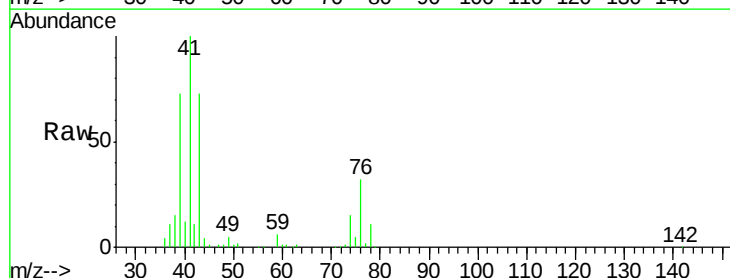
Acq: 3 Apr 2019 19:31

Tgt Ion: 43 Resp: 201241

Ion Ratio Lower Upper

43 100

74 20.5 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN054934.D (-702) (-)

Ion 74.00 (73.70 to 74.70): VN054934.D (-702) (-)

80000

60000

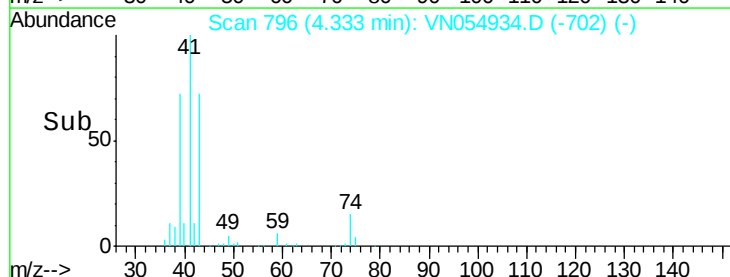
40000

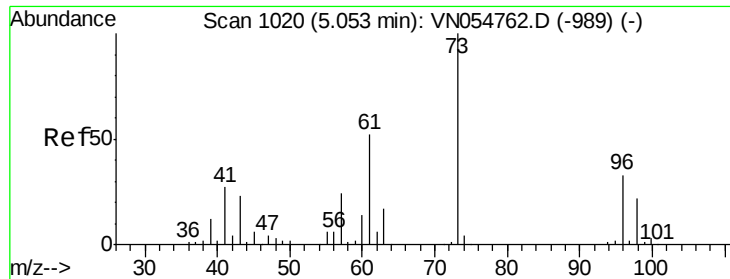
20000

0

4.20 4.30 4.40

Time-->





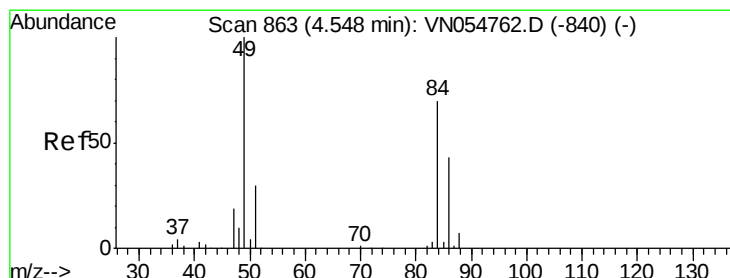
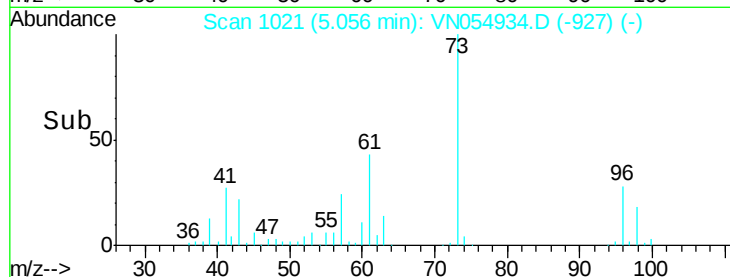
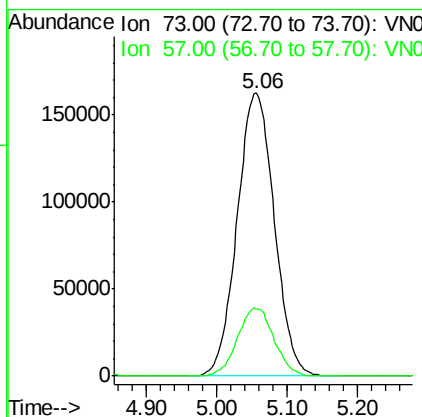
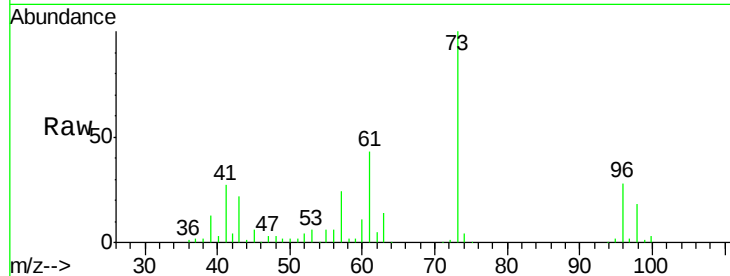
#19
Methvl tert-butvl Ether
Concen: 53.558 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054934.D
Acq: 3 Apr 2019 19:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 597209
Ion Ratio Lower Upper
73 100
57 23.9 16.8 25.2

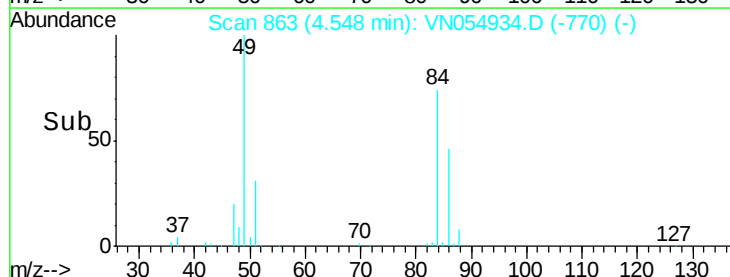
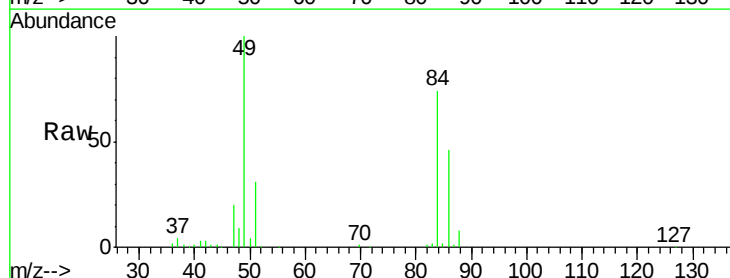
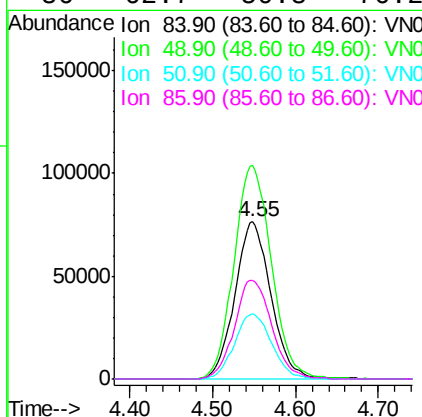
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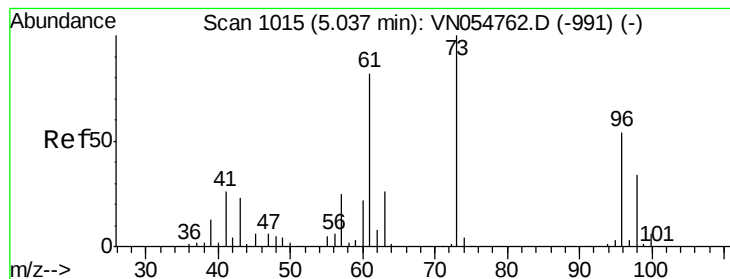
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#20
Methylene Chloride
Concen: 50.343 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054934.D
Acq: 3 Apr 2019 19:31

Tgt Ion: 84 Resp: 231500
Ion Ratio Lower Upper
84 100
49 135.4 89.7 134.5#
51 41.4 28.2 42.4
86 62.7 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 49.099 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN054934.D

Acq: 3 Apr 2019 19:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 205580

Ion Ratio Lower Upper

96 100

61 150.9 102.8 154.2

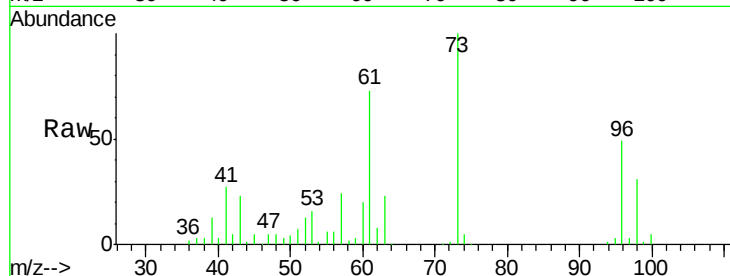
98 64.0 50.0 75.0

Manual Integrations

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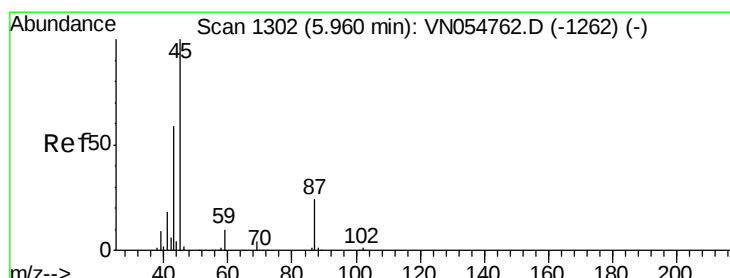
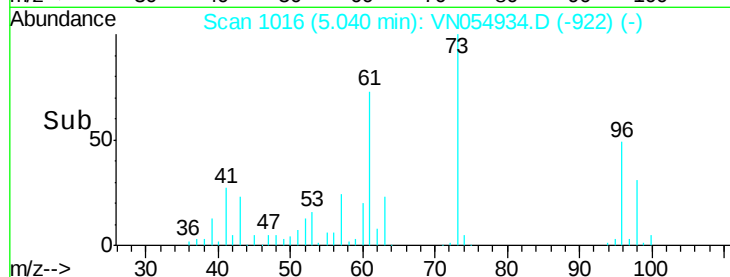
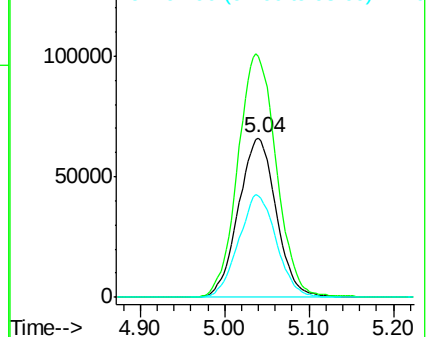
4/4/2019 9:30:45 AM



Abundance Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 54.312 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054934.D

Acq: 3 Apr 2019 19:31

Tgt Ion: 45 Resp: 843454

Ion Ratio Lower Upper

45 100

43 57.6 48.2 72.2

87 22.7 24.9 37.3#

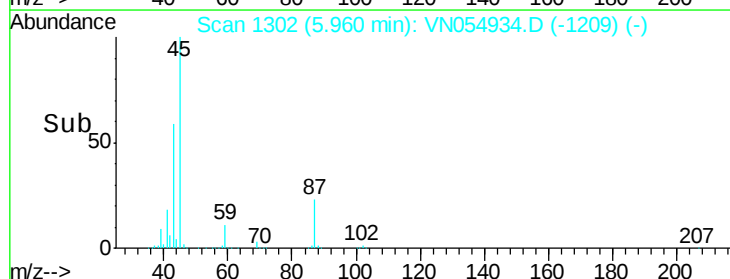
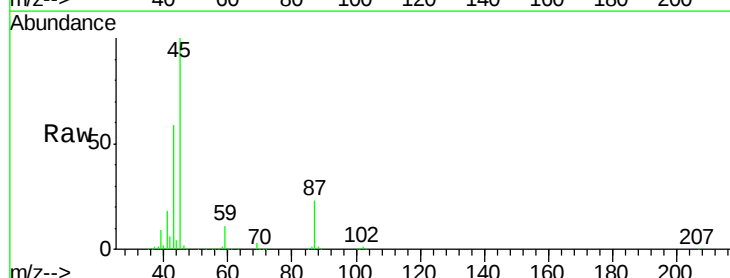
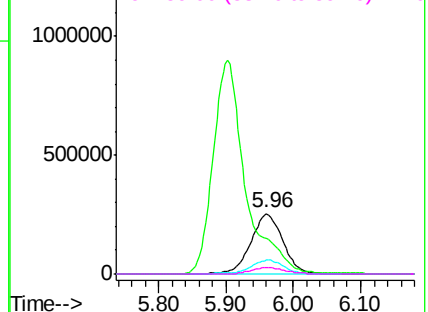
59 10.7 9.5 14.3

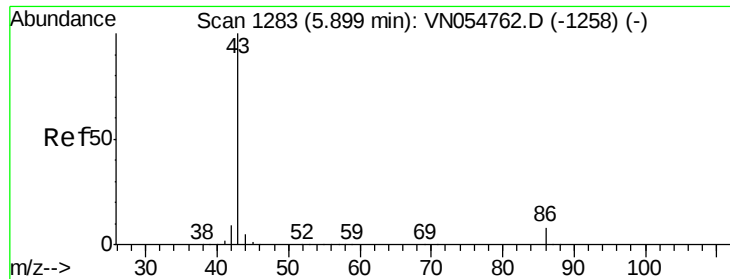
Abundance Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





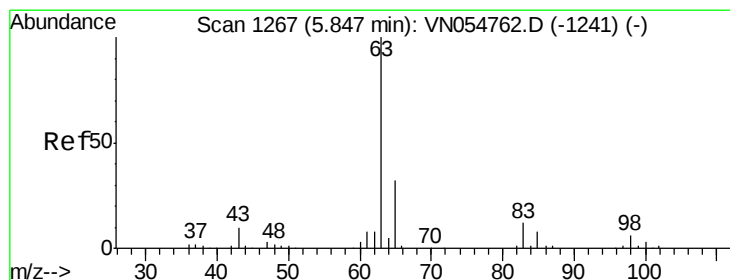
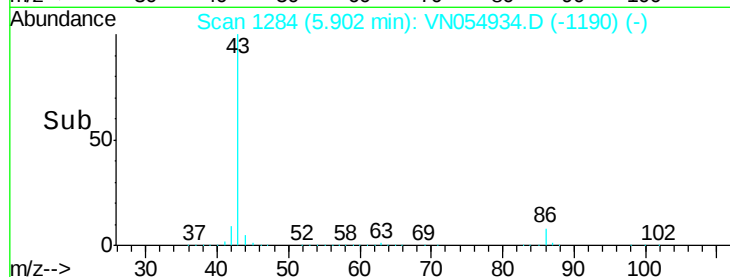
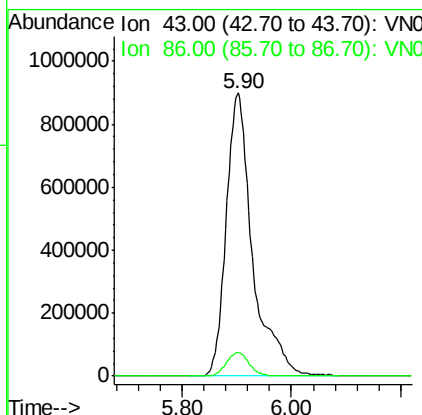
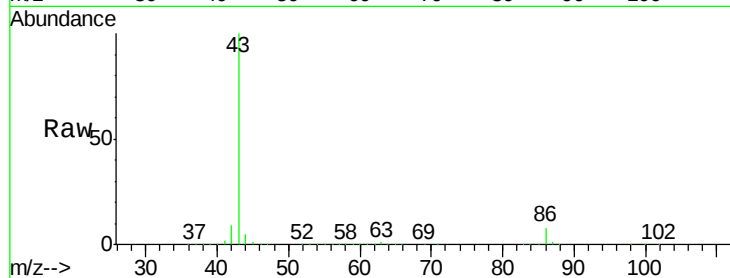
#23
 Vinyl Acetate
 Concen: 279.138 ug/l
 RT: 5.90 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VN054934.D
 Acq: 3 Apr 2019 19:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 3016691
 Ion Ratio Lower Upper
 43 100
 86 8.5 9.1 13.7#

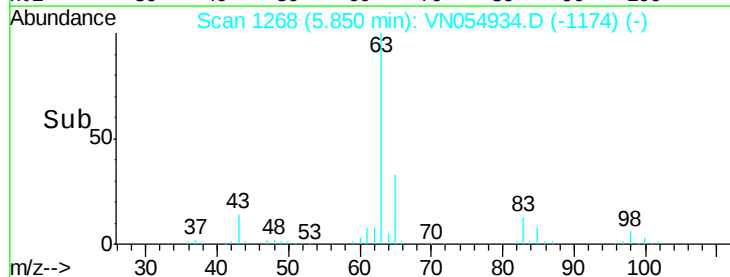
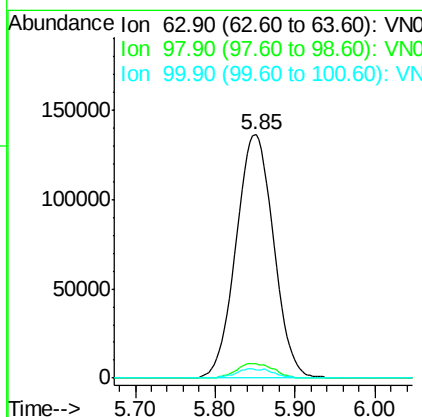
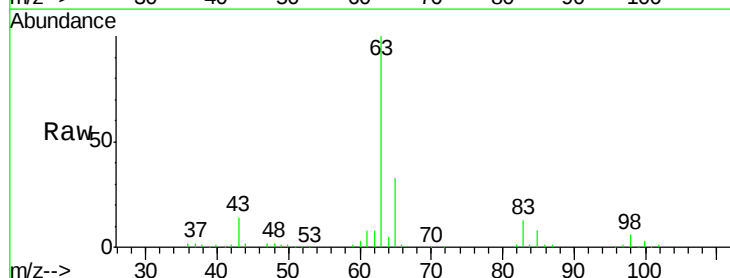
Manual Integrations
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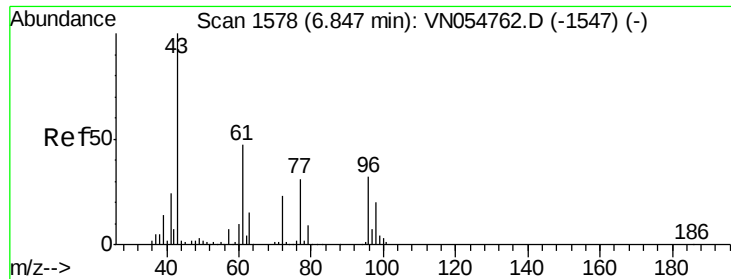
MMDadoda
 4/4/2019 9:30:45 AM



#24
 1,1-Dichloroethane
 Concen: 52.496 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN054934.D
 Acq: 3 Apr 2019 19:31

Tgt Ion: 63 Resp: 434880
 Ion Ratio Lower Upper
 63 100
 98 5.7 3.5 10.5
 100 3.5 2.0 6.0





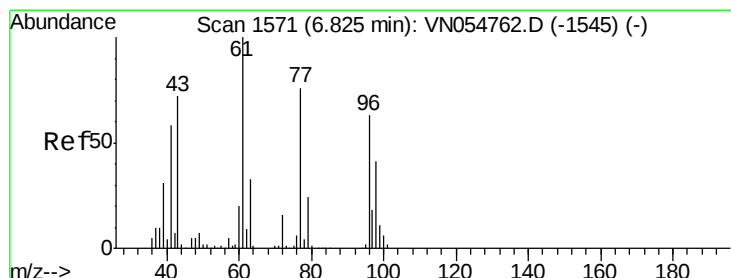
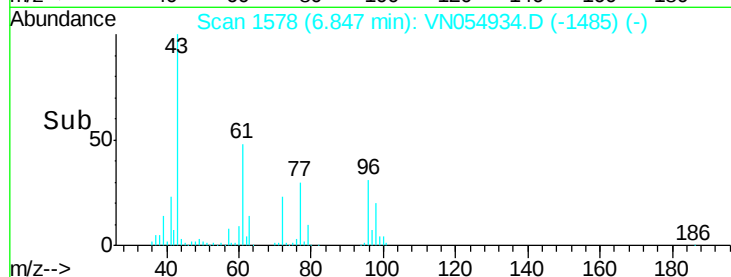
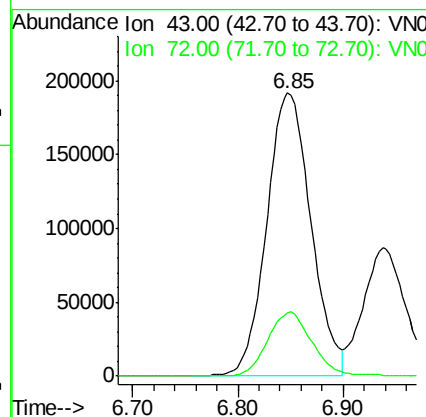
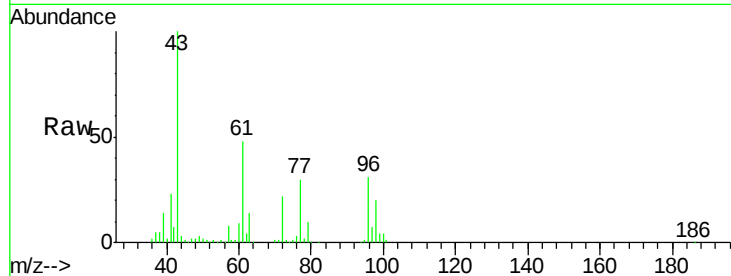
#25
2-Butanone
Concen: 288.862 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN054934.D
Acq: 3 Apr 2019 19:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 556638
Ion Ratio Lower Upper
43 100
72 22.5 23.0 34.6#

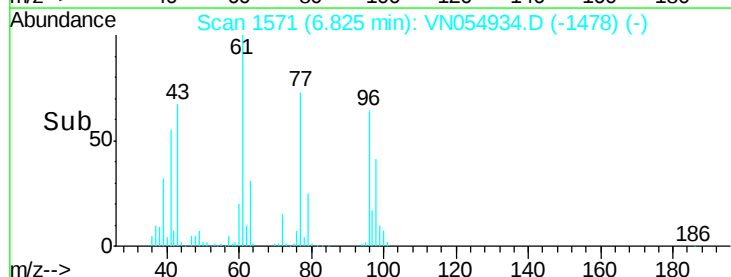
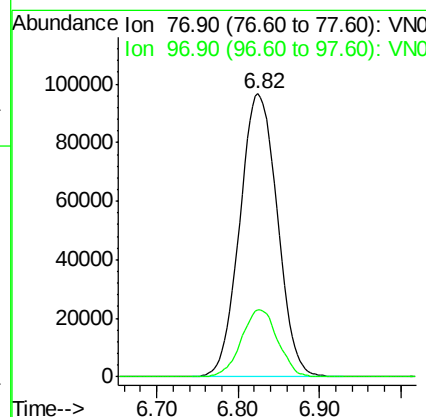
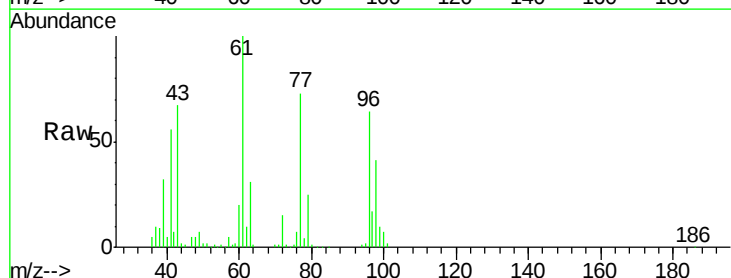
Manual Integrations
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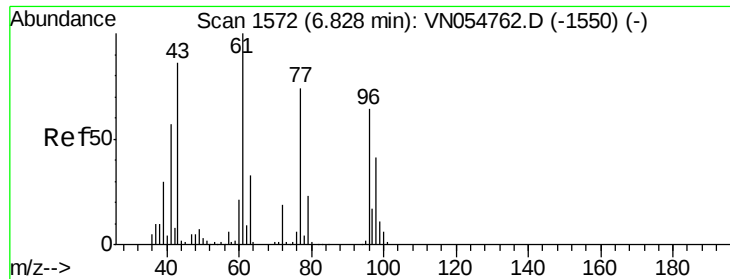
MMDadoda
4/4/2019 9:30:45 AM



#26
2,2-Dichloropropane
Concen: 53.132 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN054934.D
Acq: 3 Apr 2019 19:31

Tgt Ion: 77 Resp: 308495
Ion Ratio Lower Upper
77 100
97 23.0 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 52.670 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054934.D

Acq: 3 Apr 2019 19:31

Instrument :

MSVOA_N

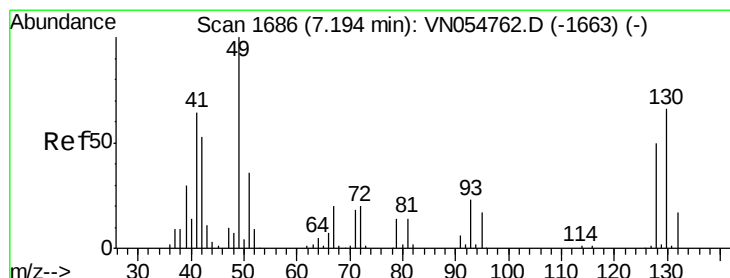
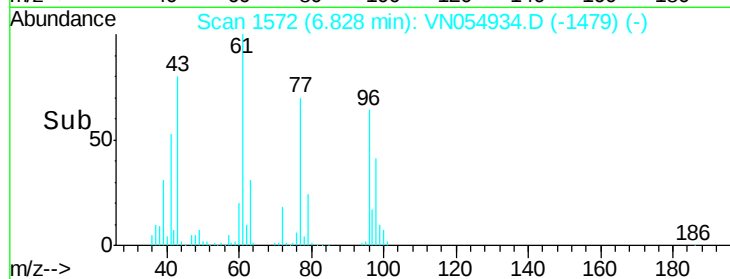
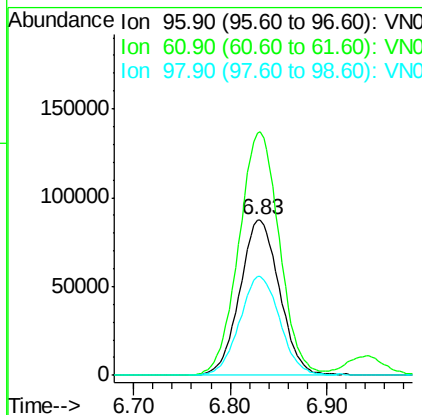
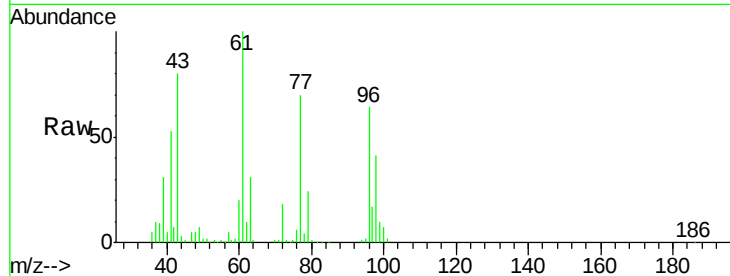
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	249129
Ion	Ratio	Lower	Upper
96	100		
61	159.7	0.0	273.0
98	64.6	0.0	130.6

Manual Integrations
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4/4/2019 9:30:45 AM



#28

Bromochloromethane

Concen: 53.332 ug/l

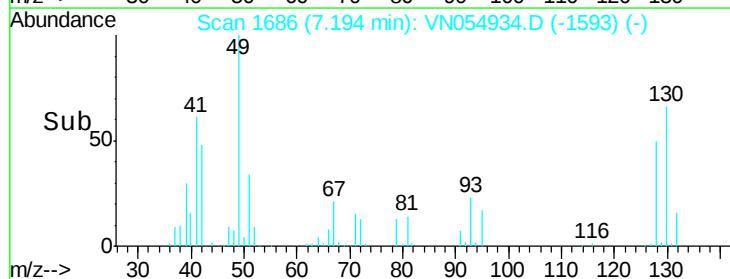
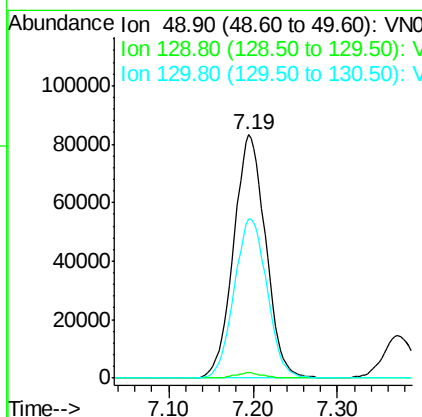
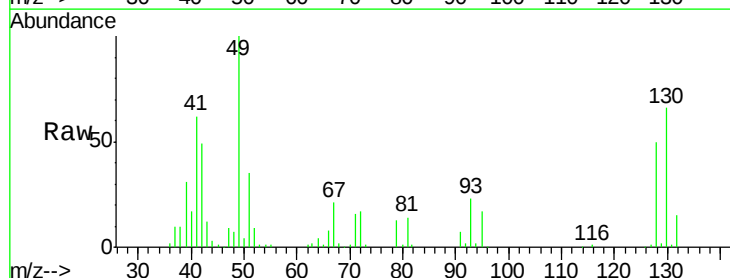
RT: 7.19 min Scan# 1686

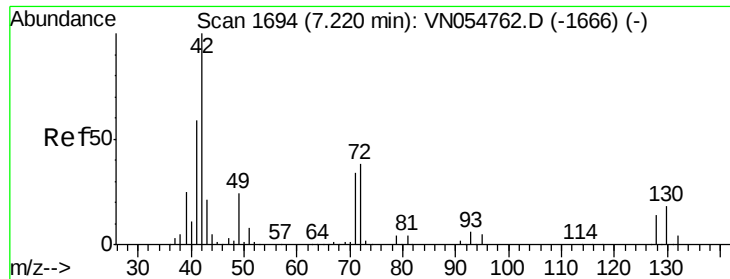
Delta R.T. 0.00 min

Lab File: VN054934.D

Acq: 3 Apr 2019 19:31

Tgt Ion:	49	Resp:	220919
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.6
130	67.0	76.7	115.1#





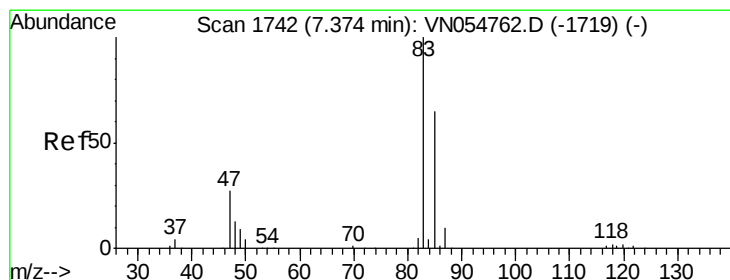
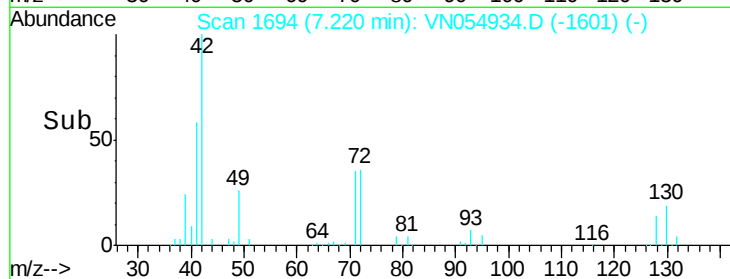
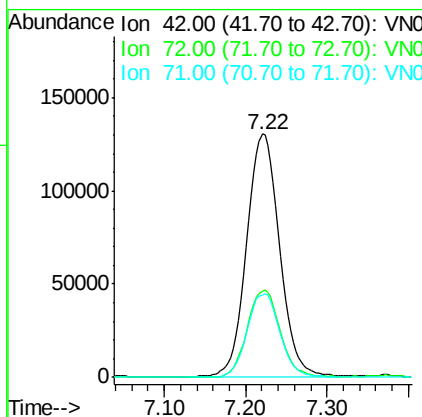
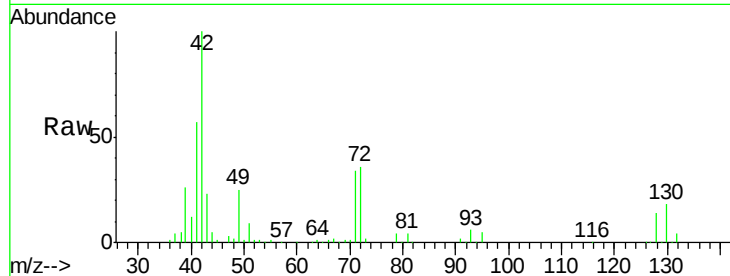
#29
Tetrahydrofuran
Concen: 270.906 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054934.D
Acq: 3 Apr 2019 19:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.0	37.8	56.6#
71	34.3	36.2	54.2#

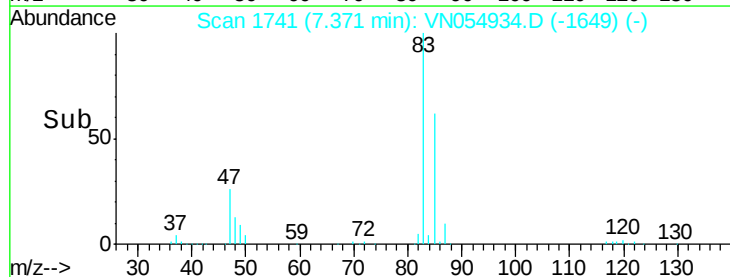
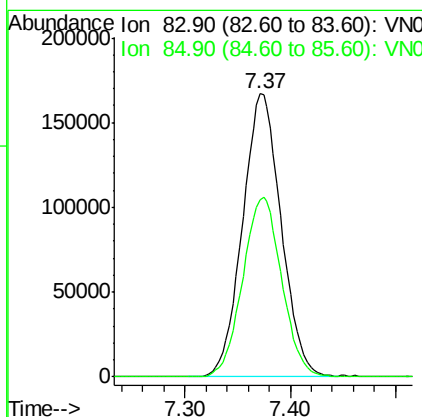
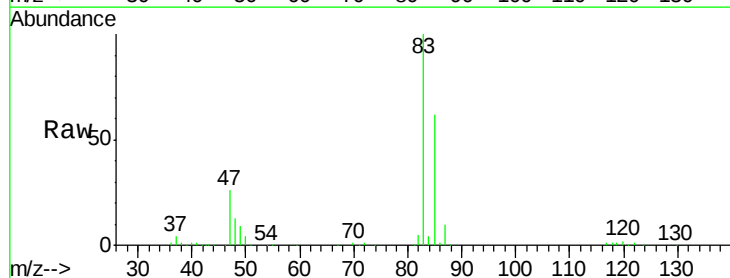
Manual Integrations
APPROVED

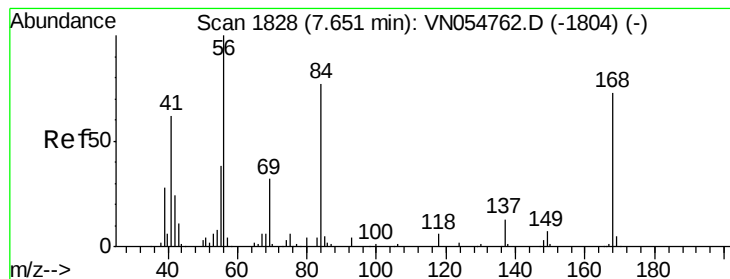
MMDadoda
4/4/2019 9:30:45 AM



#30
Chloroform
Concen: 53.841 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054934.D
Acq: 3 Apr 2019 19:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	52.2	78.4





#31

Cyclohexane

Concen: 51.822 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN054934.D

Acq: 3 Apr 2019 19:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 390602

Ion Ratio Lower Upper

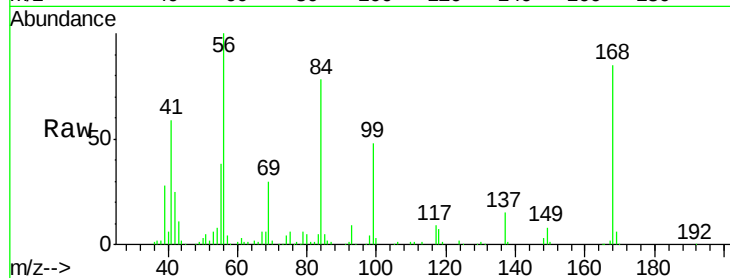
56 100

69 29.8 27.8 41.6

84 77.0 74.6 111.8

Manual Integrations
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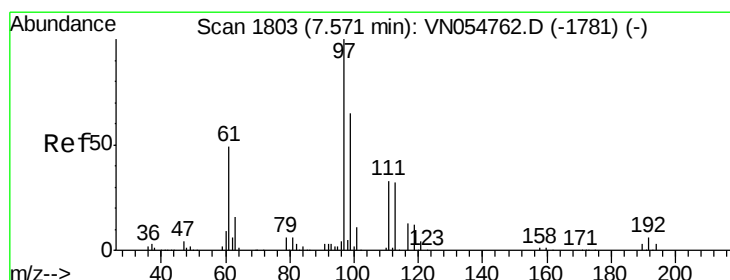
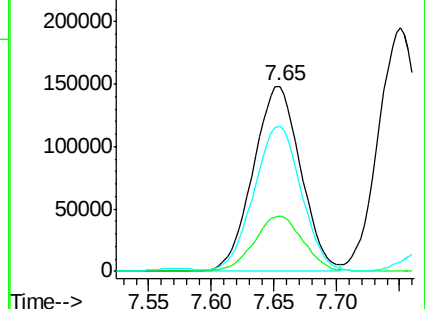
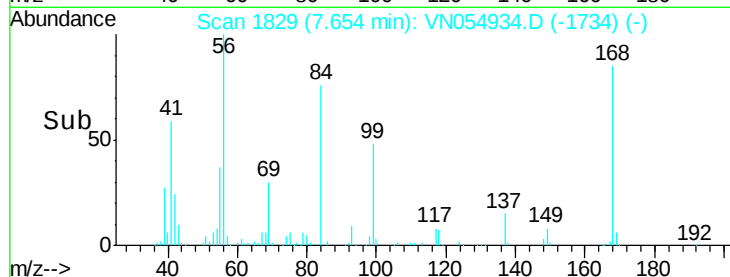
MMDadoda
4/4/2019 9:30:45 AM



Abundance Ion 56.00 (55.70 to 56.70): VN054934.D (-1734) (-)

Ion 69.00 (68.70 to 69.70): VN054934.D (-1734) (-)

Ion 84.00 (83.70 to 84.70): VN054934.D (-1734) (-)



#32

1,1,1-Trichloroethane

Concen: 52.933 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN054934.D

Acq: 3 Apr 2019 19:31

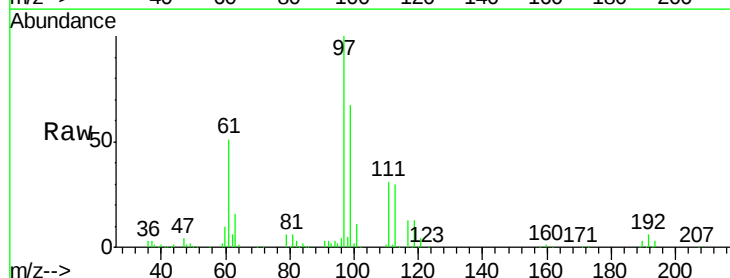
Tgt Ion: 97 Resp: 346513

Ion Ratio Lower Upper

97 100

99 64.7 51.5 77.3

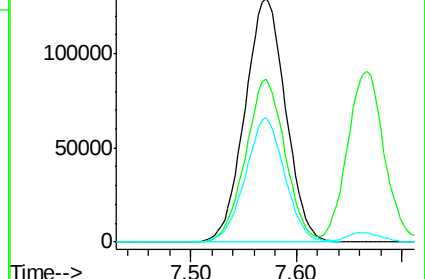
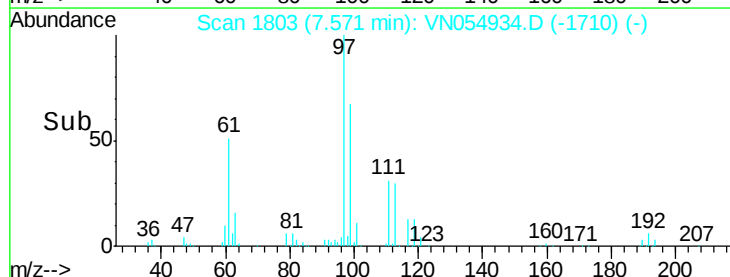
61 49.2 33.6 50.4

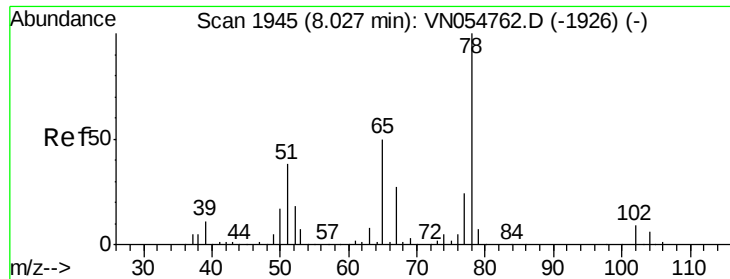


Abundance Ion 96.90 (96.60 to 97.60): VN054934.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN054934.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN054934.D (-1710) (-)





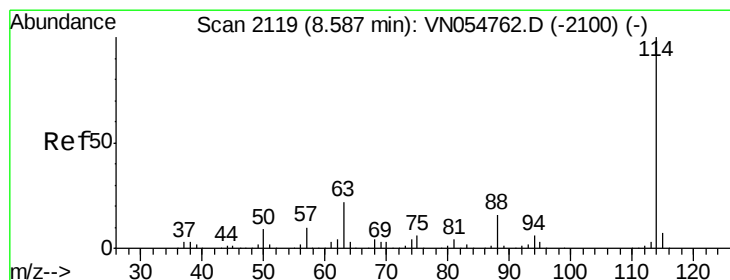
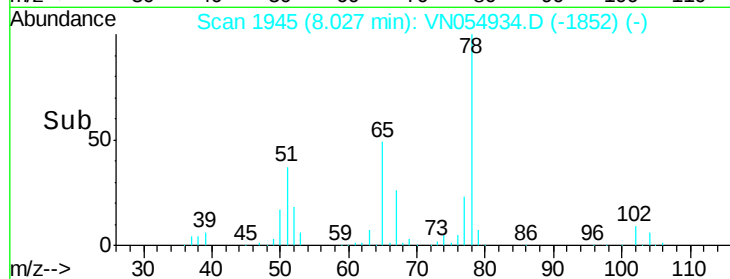
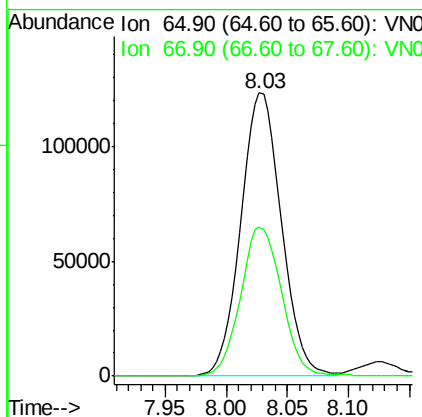
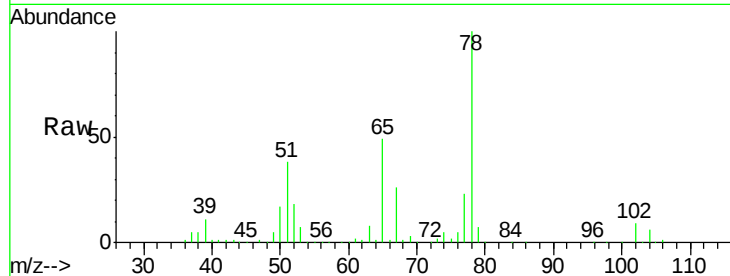
#33
 1,2-Dichloroethane-d4
 Concen: 52.017 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054934.D
 Acq: 3 Apr 2019 19:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	284364		
67	53.2	0.0	104.6	

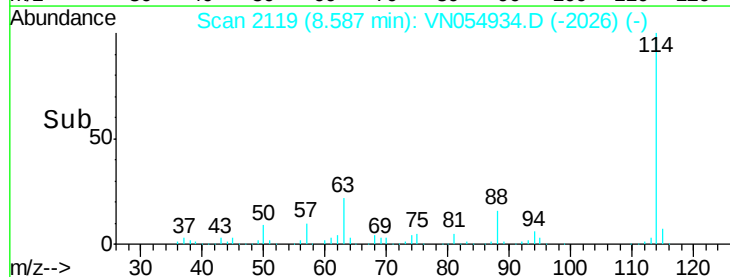
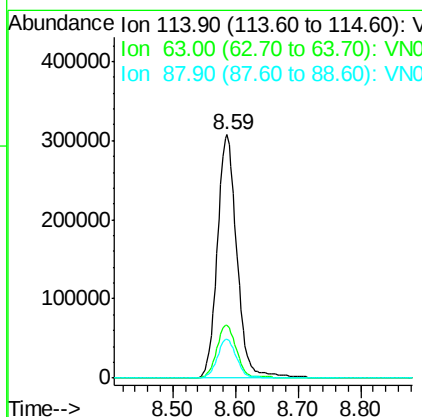
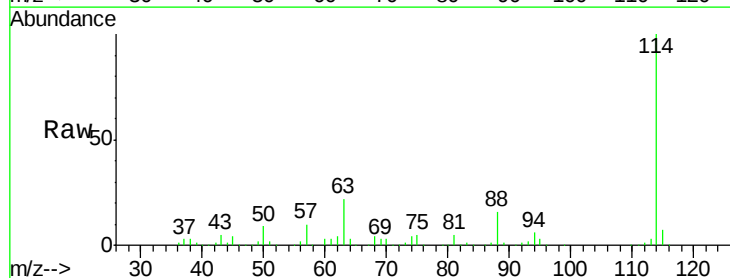
Manual Integrations
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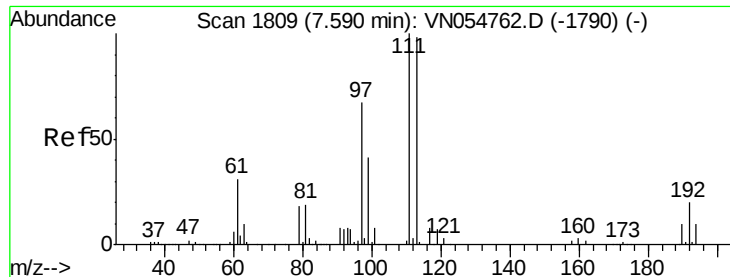
MMDadoda
 4/4/2019 9:30:45 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054934.D
 Acq: 3 Apr 2019 19:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	668213		
63	21.7	0.0	35.2	
88	16.0	0.0	30.2	





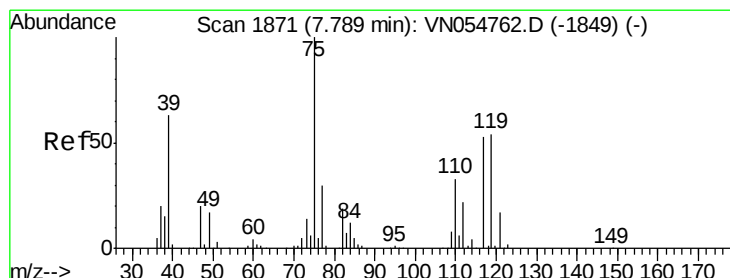
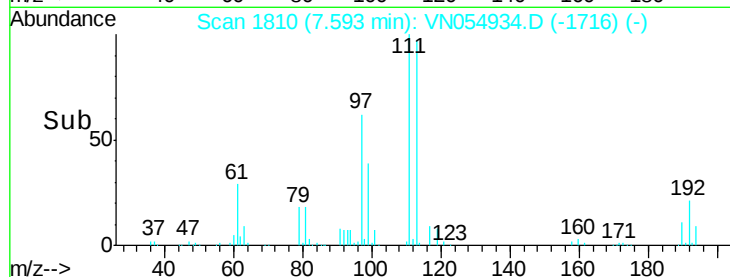
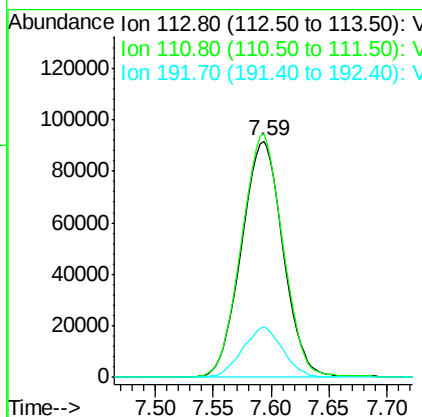
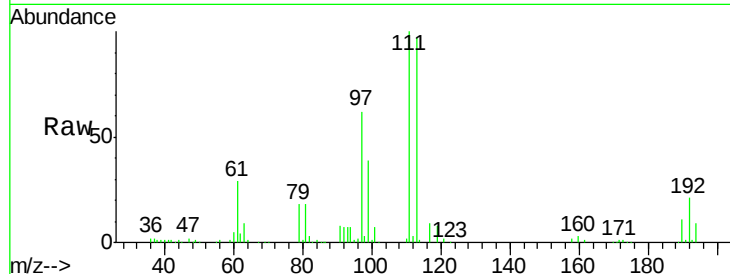
#35
 Dibromofluoromethane
 Concen: 51.472 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054934.D
 Acq: 3 Apr 2019 19:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	229304		
111	103.1	82.2	123.4	
192	20.7	19.2	28.8	

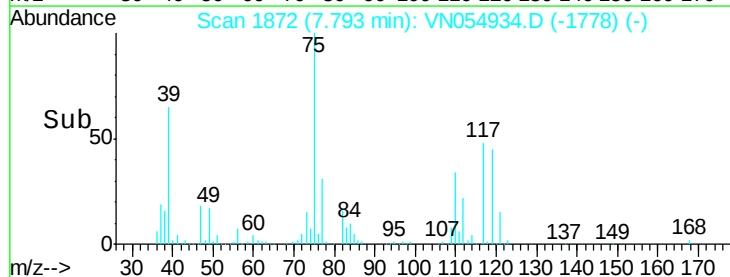
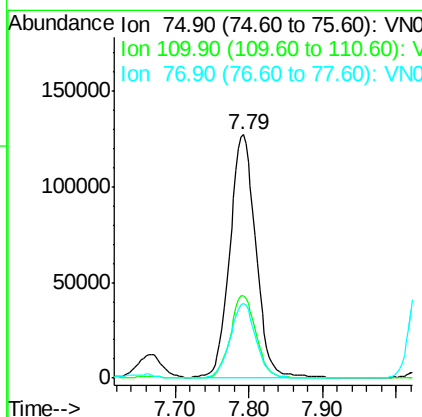
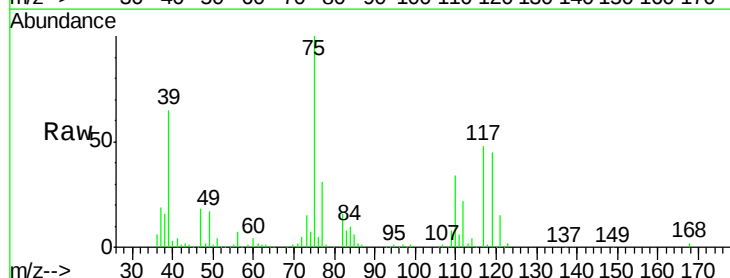
Manual Integrations
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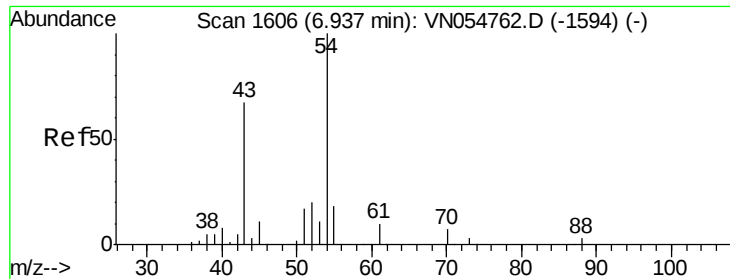
MMDadoda
 4/4/2019 9:30:45 AM



#36
 1,1-Dichloropropene
 Concen: 49.842 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054934.D
 Acq: 3 Apr 2019 19:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	310340		
110	33.4	19.1	57.5	
77	30.7	25.0	37.4	





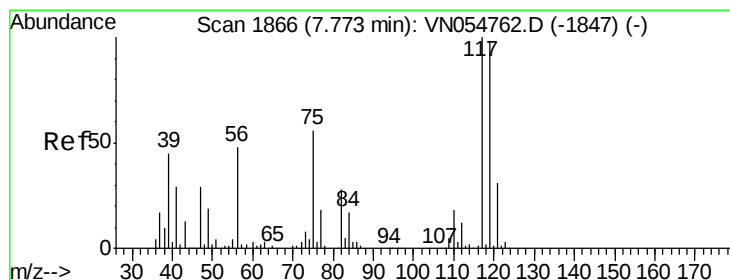
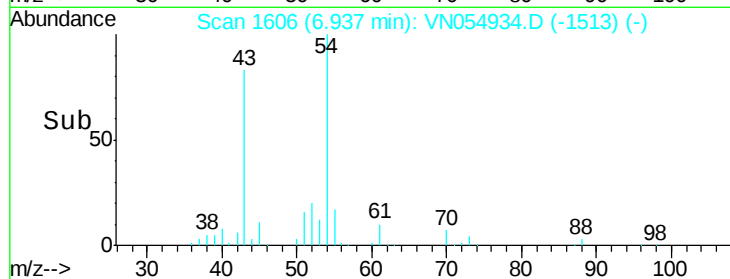
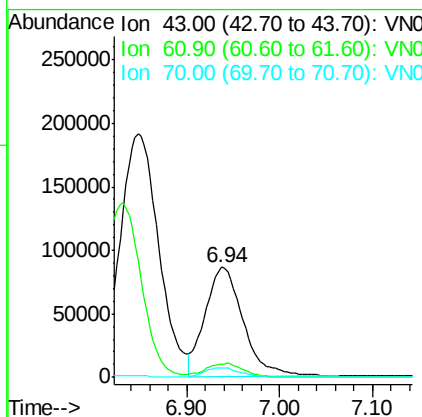
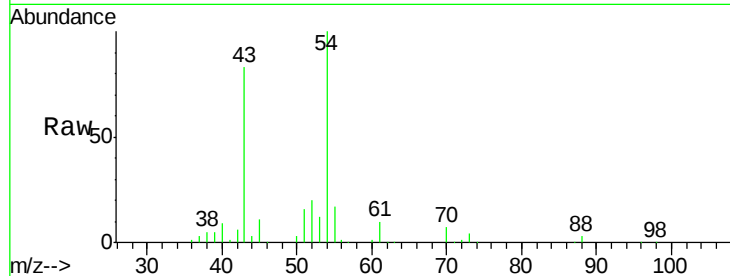
#37
Ethyl Acetate
Concen: 53.321 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054934.D
Acq: 3 Apr 2019 19:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.5	11.8	17.6
70	8.0	8.4	12.6

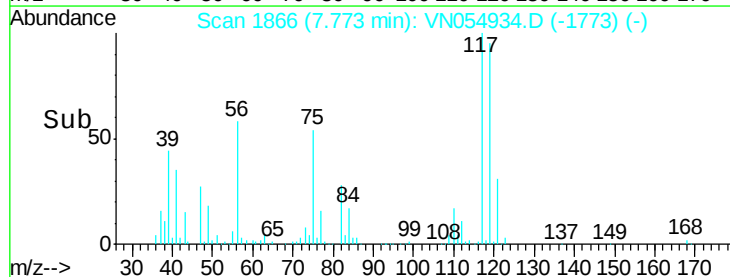
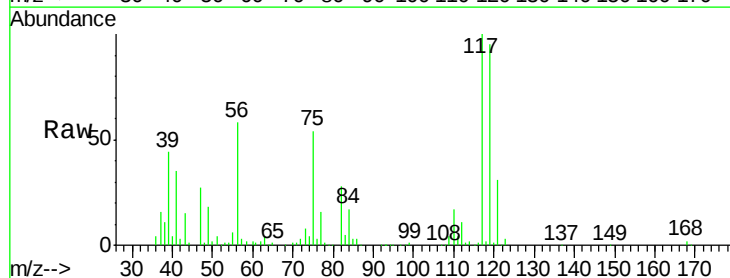
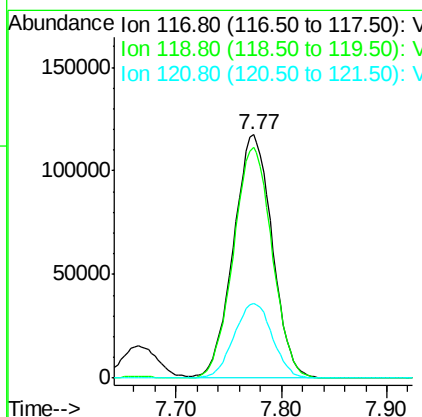
Manual Integrations
APPROVED

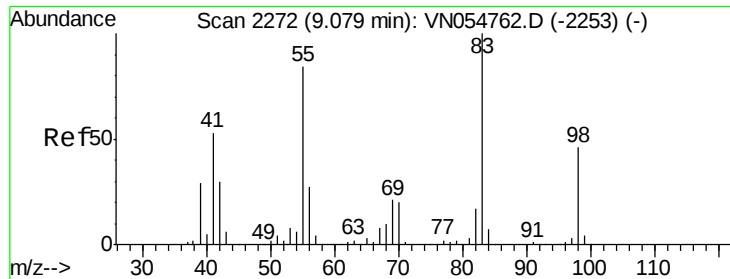
MMDadoda
4/4/2019 9:30:45 AM



#38
Carbon Tetrachloride
Concen: 49.627 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054934.D
Acq: 3 Apr 2019 19:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.3	114.5
121	30.9	24.6	36.8





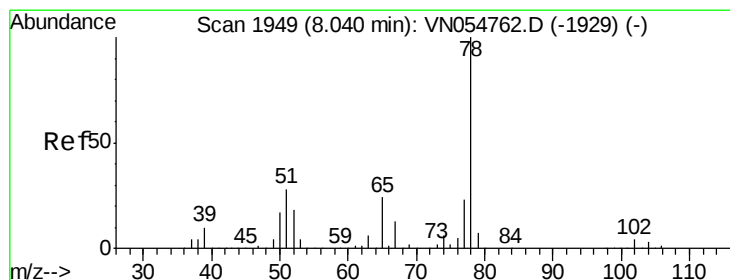
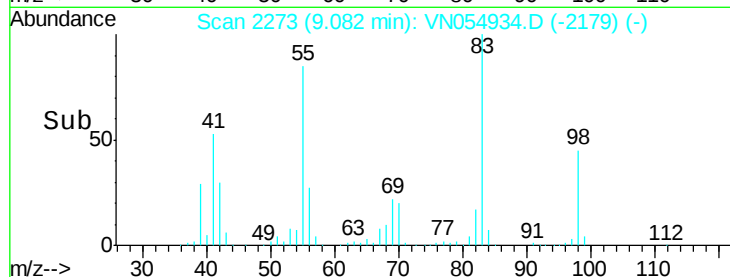
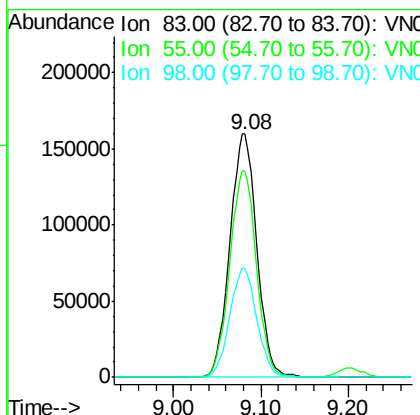
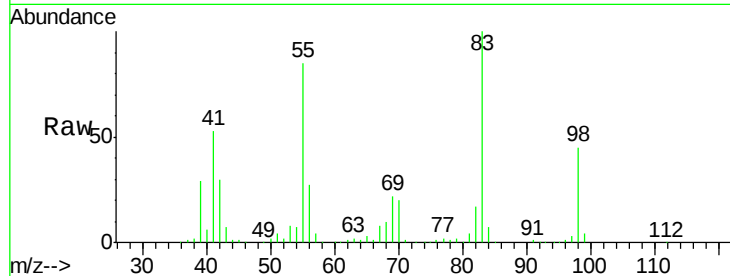
#39
Methvlcvclohexane
Concen: 49.856 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN054934.D
Acq: 3 Apr 2019 19:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	341279
Ion Ratio	Lower	Upper	
83	100		
55	85.1	56.6	84.8#
98	45.0	38.4	57.6

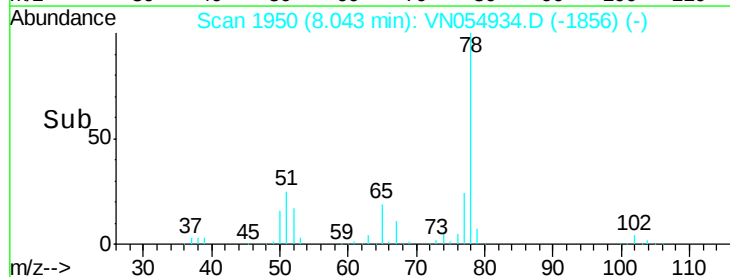
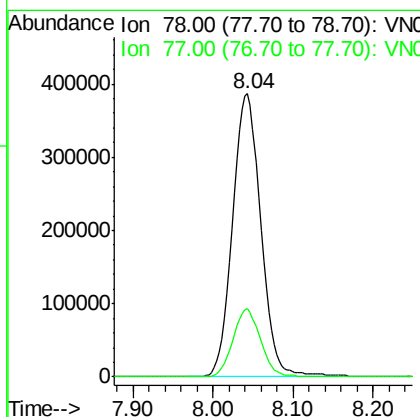
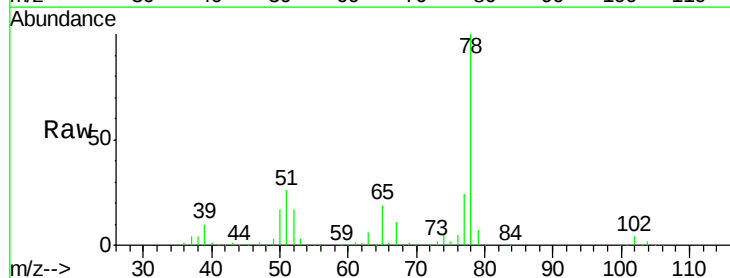
Manual Integrations
APPROVED

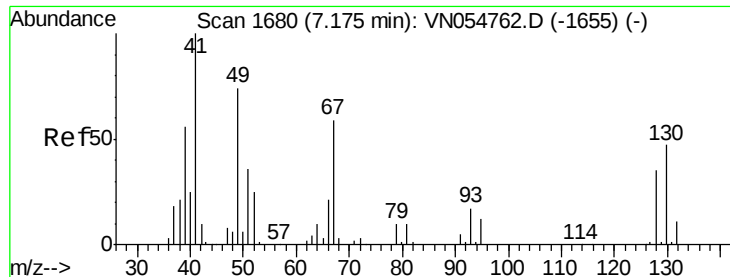
MMDadoda
4/4/2019 9:30:45 AM



#40
Benzene
Concen: 51.983 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054934.D
Acq: 3 Apr 2019 19:31

Tgt Ion	78	Resp	926143
Ion Ratio	Lower	Upper	
78	100		
77	24.0	19.1	28.7





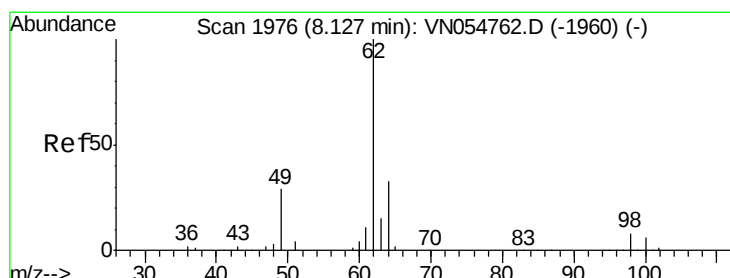
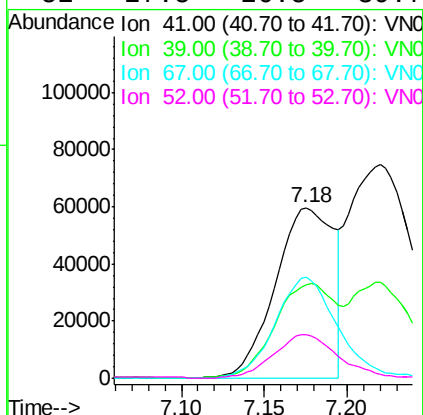
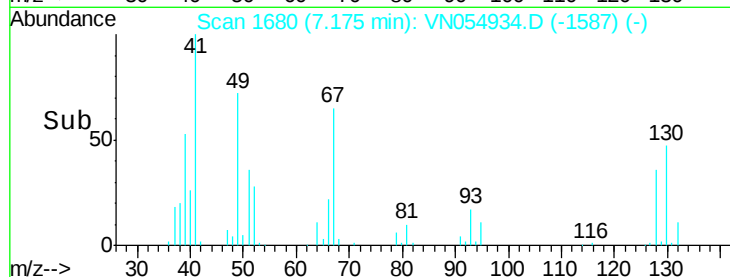
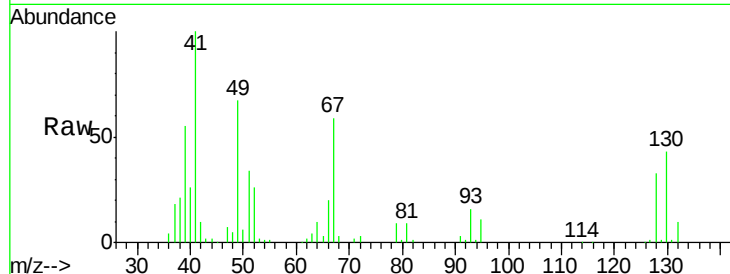
#41
Methacrylonitrile
Concen: 57.285 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054934.D
Acq: 3 Apr 2019 19:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.9	46.8	70.2	
67	63.6	67.0	100.4	
52	27.5	26.5	39.7	

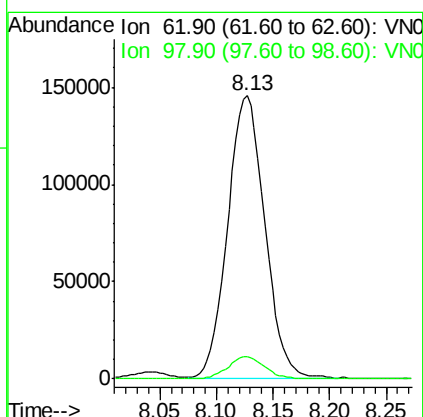
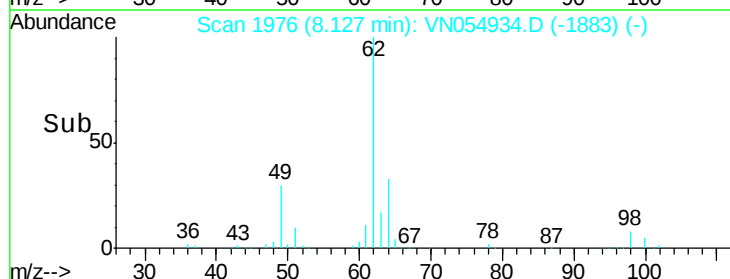
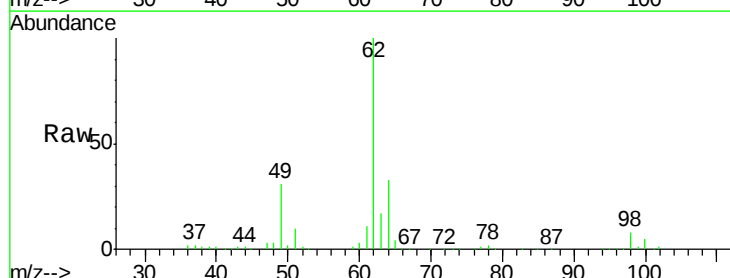
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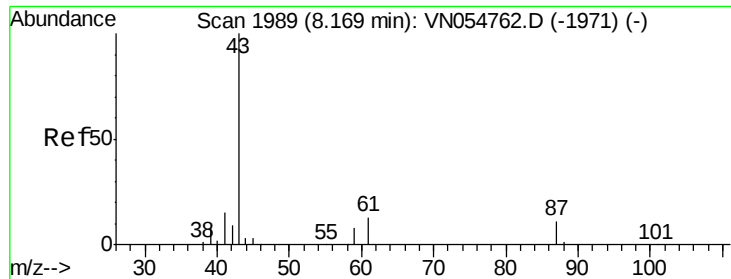
MMDadoda
4/4/2019 9:30:45 AM



#42
1,2-Dichloroethane
Concen: 52.189 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054934.D
Acq: 3 Apr 2019 19:31

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.9	0.0	18.4	





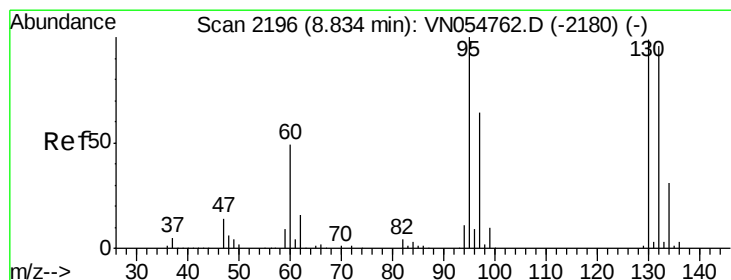
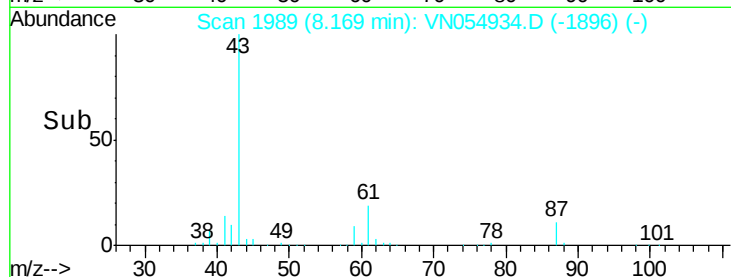
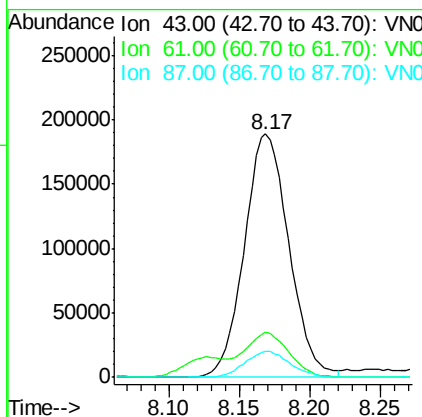
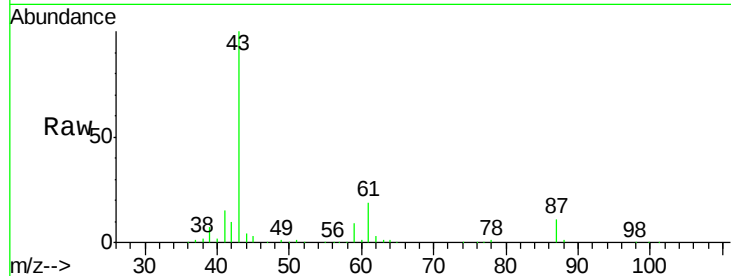
#43
Isopropyl Acetate
Concen: 56.040 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN054934.D
Acq: 3 Apr 2019 19:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.1	15.8	23.8
87	10.9	12.0	18.0

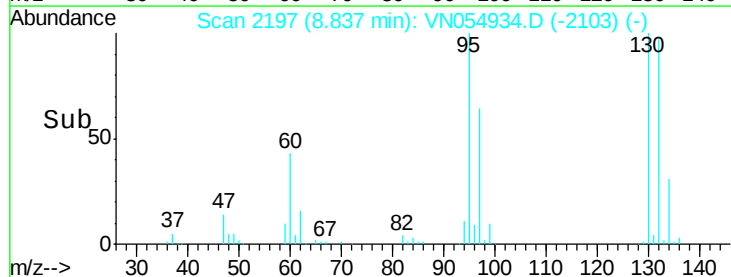
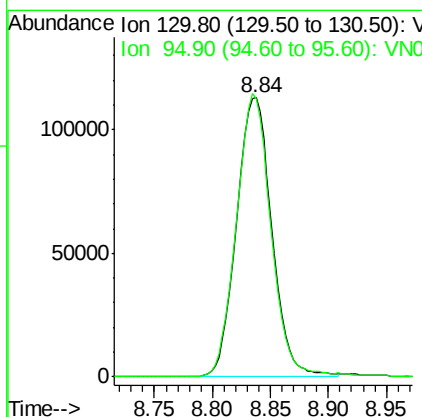
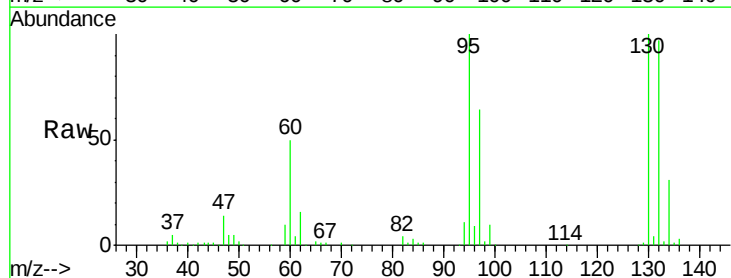
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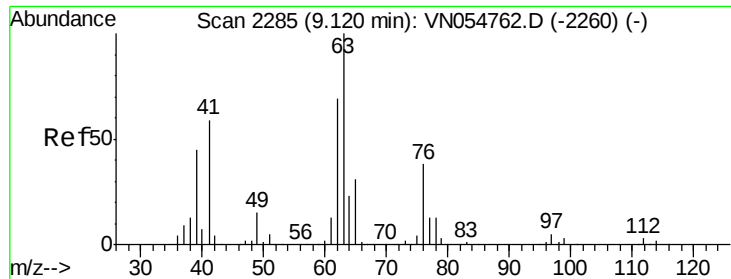
MMDadoda
4/4/2019 9:30:45 AM



#44
Trichloroethene
Concen: 51.707 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN054934.D
Acq: 3 Apr 2019 19:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.6	0.0	185.2





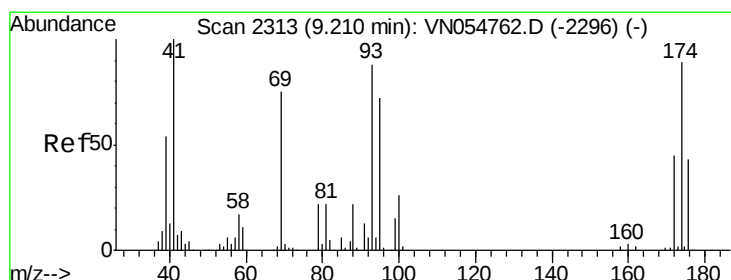
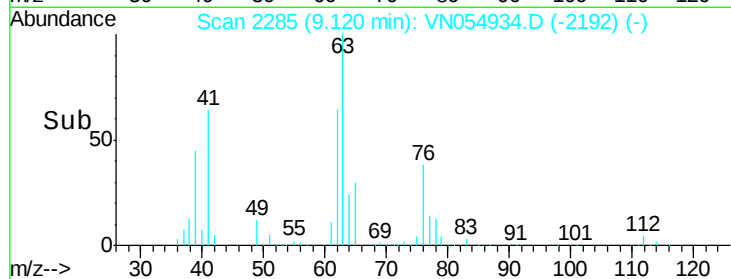
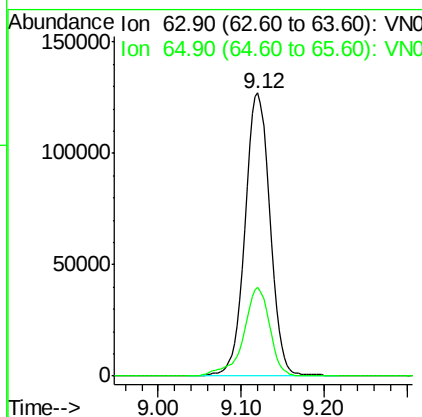
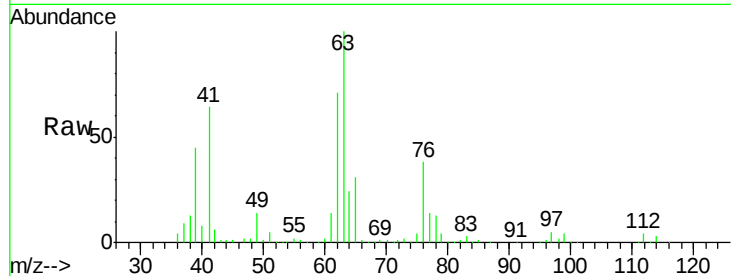
#45
 1,2-Dichloropropane
 Concen: 52.469 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054934.D
 Acq: 3 Apr 2019 19:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 266550
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.0 37.6

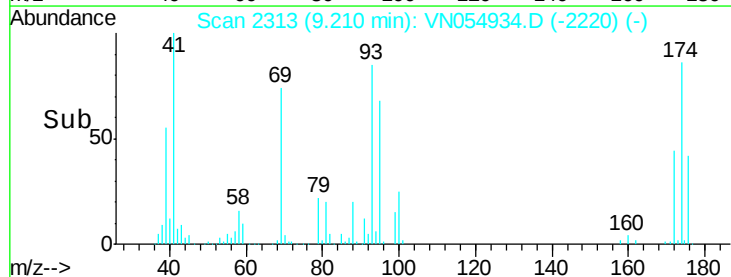
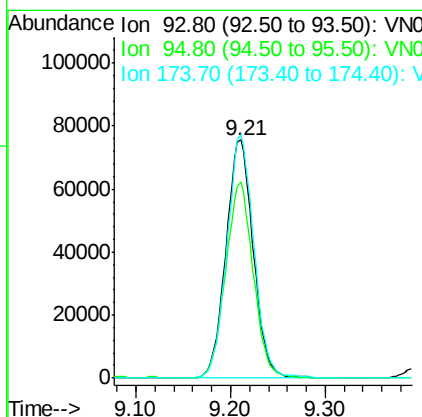
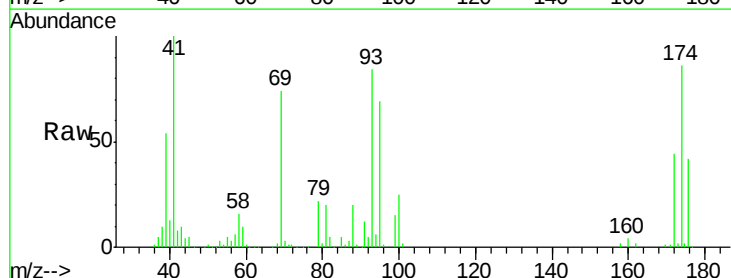
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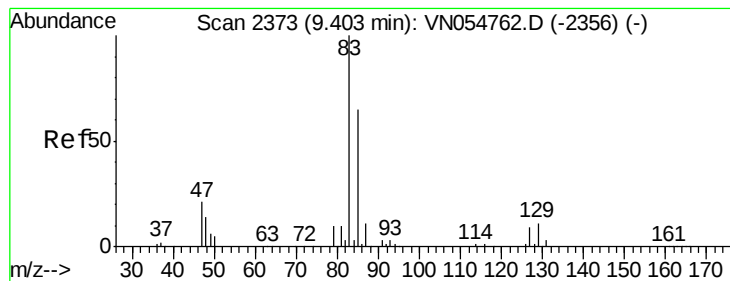
MMDadoda
 4/4/2019 9:30:45 AM



#46
 Dibromomethane
 Concen: 53.174 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054934.D
 Acq: 3 Apr 2019 19:31

Tgt Ion: 93 Resp: 151960
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.7 100.1
 174 100.8 98.5 147.7





#47

Bromodichloromethane

Concen: 54.236 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054934.D

Acq: 3 Apr 2019 19:31

Instrument :

MSVOA_N

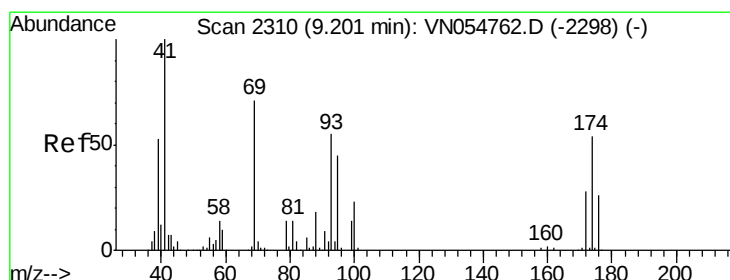
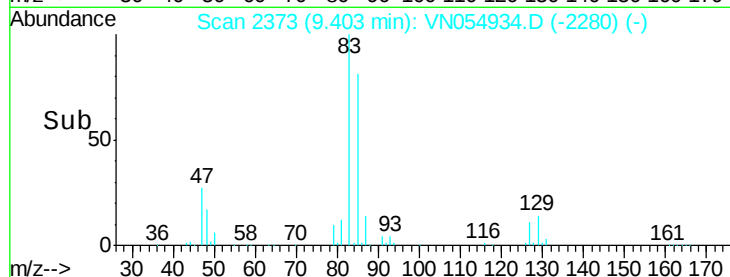
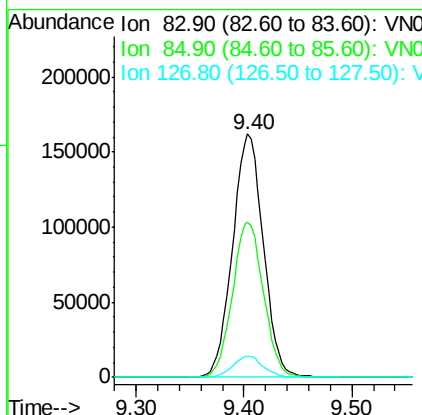
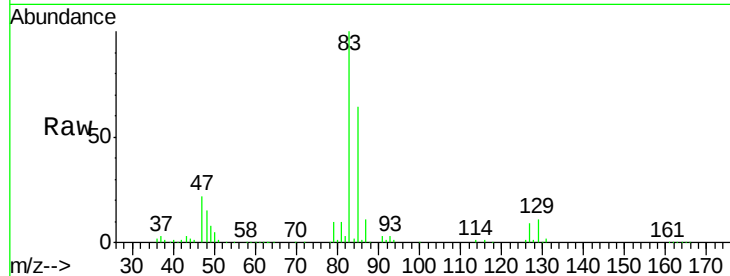
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	322126
Ion Ratio	Lower	Upper	
83	100		
85	63.9	52.8	79.2
127	8.8	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.142 ug/l

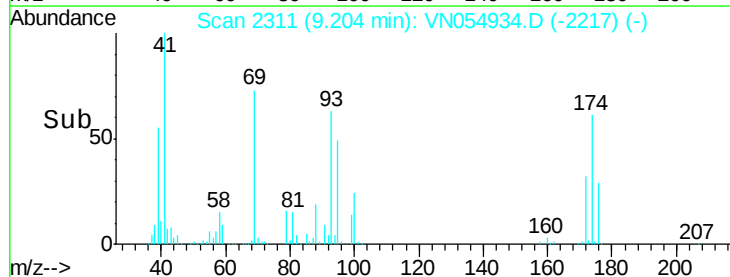
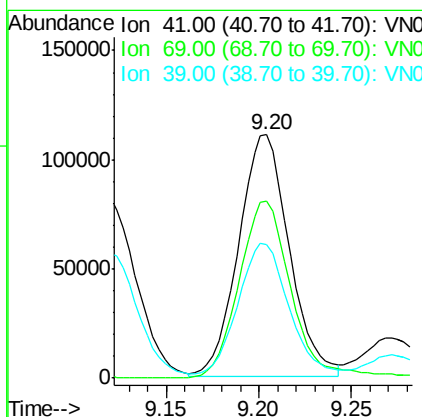
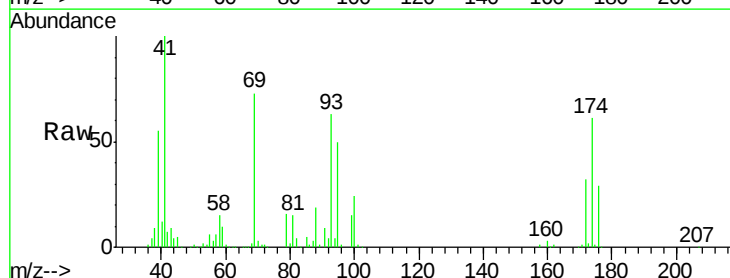
RT: 9.20 min Scan# 2311

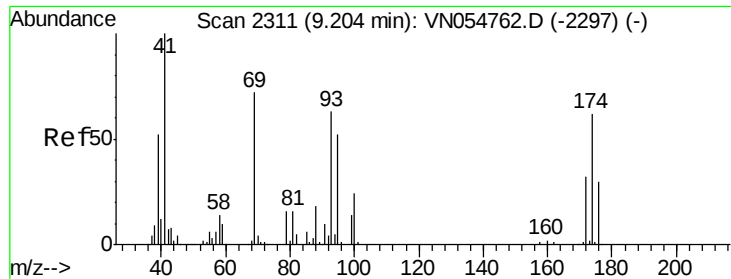
Delta R.T. 0.00 min

Lab File: VN054934.D

Acq: 3 Apr 2019 19:31

Tgt Ion:	41	Resp:	209699
Ion Ratio	Lower	Upper	
41	100		
69	76.1	72.6	108.8
39	55.9	47.5	71.3





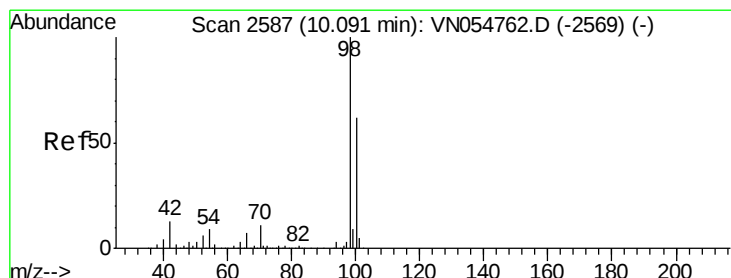
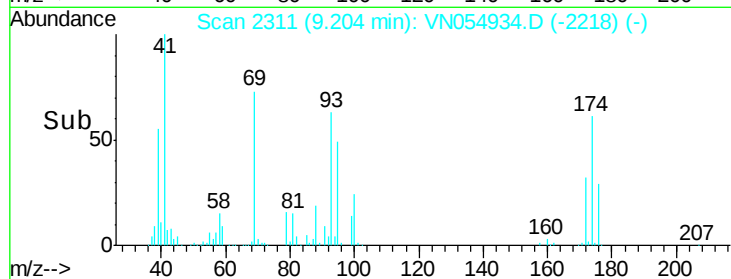
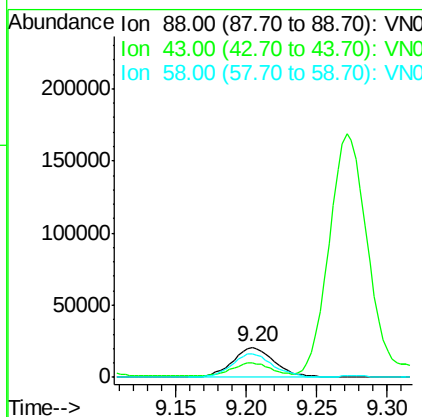
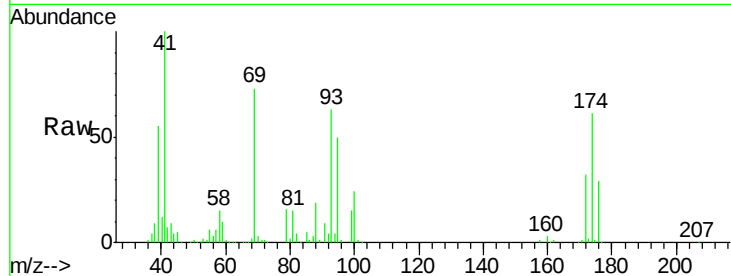
#49
1,4-Dioxane
Concen: 1092.057 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054934.D
Acq: 3 Apr 2019 19:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	43578
Ion Ratio	Lower	Upper	
88	100		
43	40.3	24.1	36.1#
58	76.1	50.8	76.2

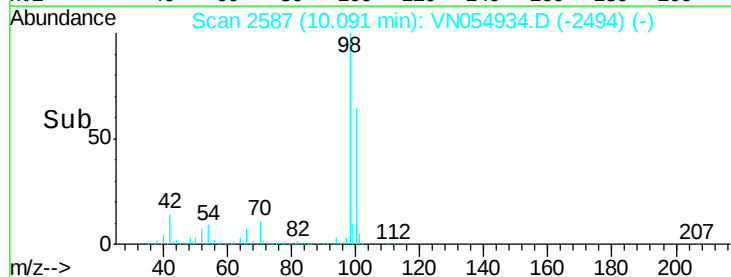
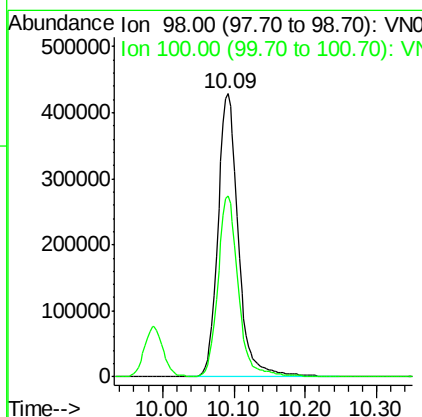
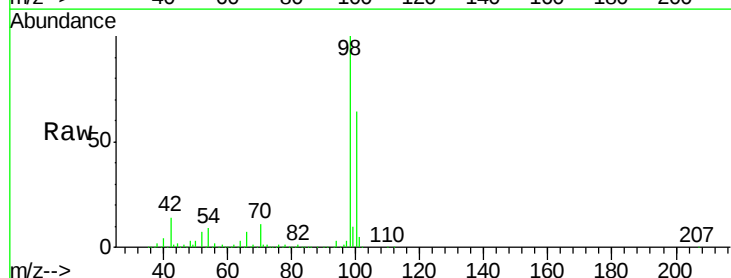
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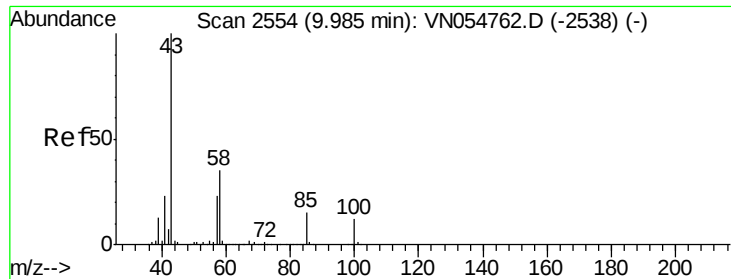
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#50
Toluene-d8
Concen: 51.285 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054934.D
Acq: 3 Apr 2019 19:31

Tgt Ion	98	Resp	849406
Ion Ratio	Lower	Upper	
98	100		
100	63.5	51.2	76.8





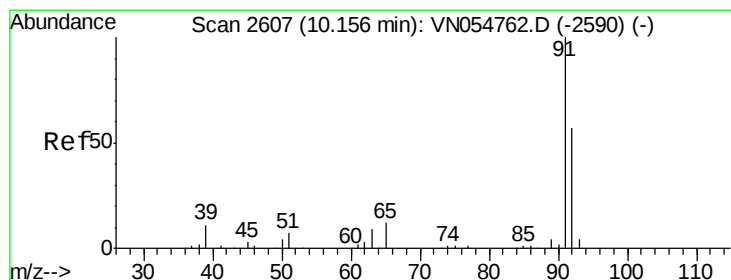
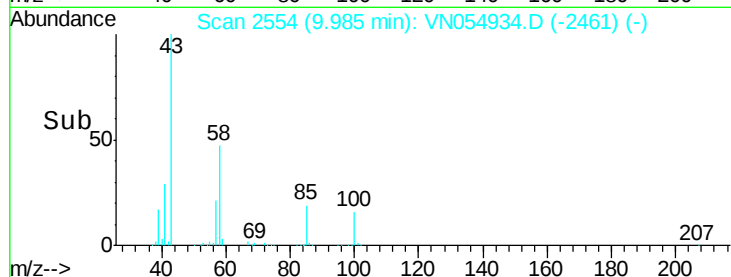
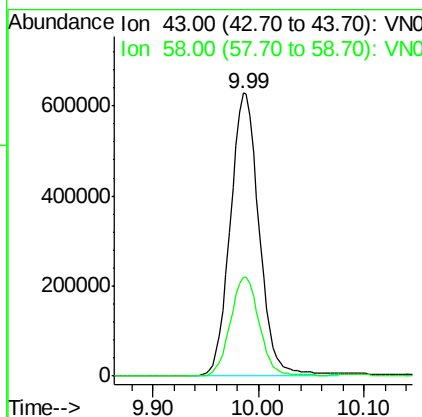
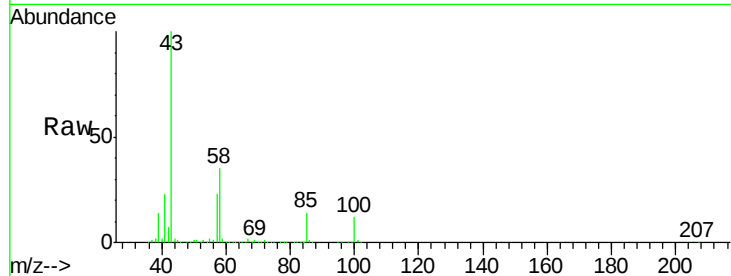
#51
 4-Methyl-2-Pentanone
 Concen: 284.252 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN054934.D
 Acq: 3 Apr 2019 19:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1185679
 Ion Ratio Lower Upper
 43 100
 58 35.3 31.8 47.6

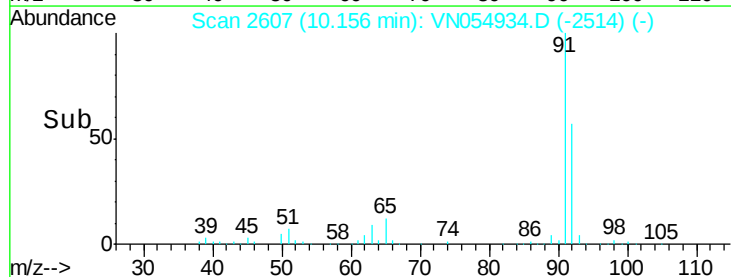
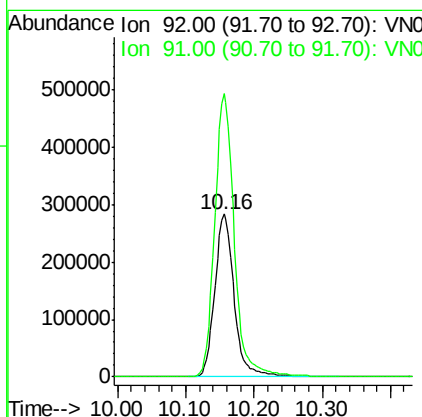
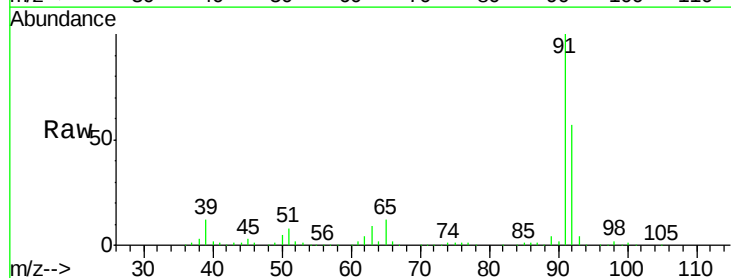
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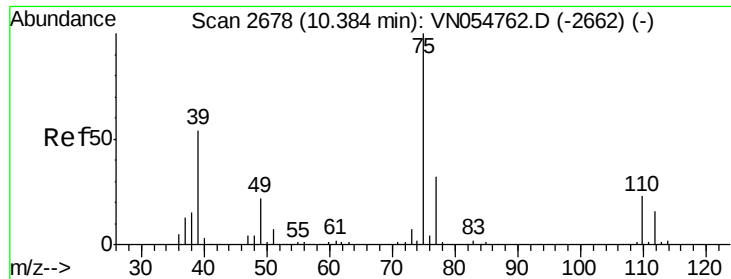
MMDadoda
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#52
 Toluene
 Concen: 52.886 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN054934.D
 Acq: 3 Apr 2019 19:31

Tgt Ion: 92 Resp: 560661
 Ion Ratio Lower Upper
 92 100
 91 175.1 140.7 211.1





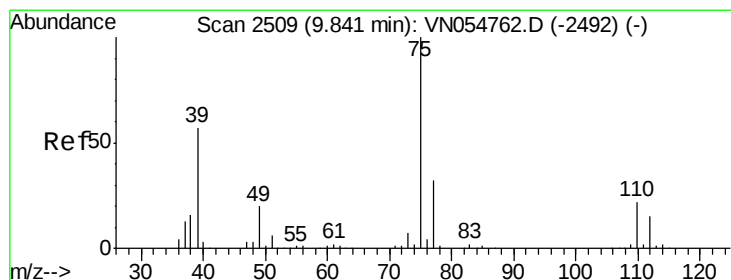
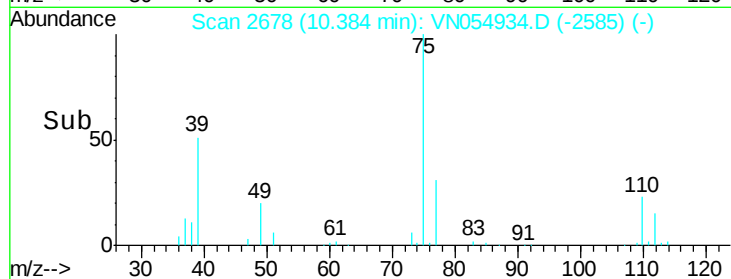
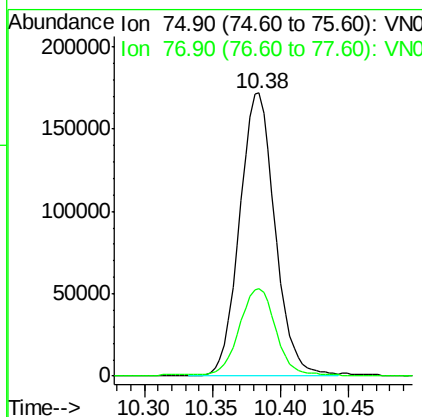
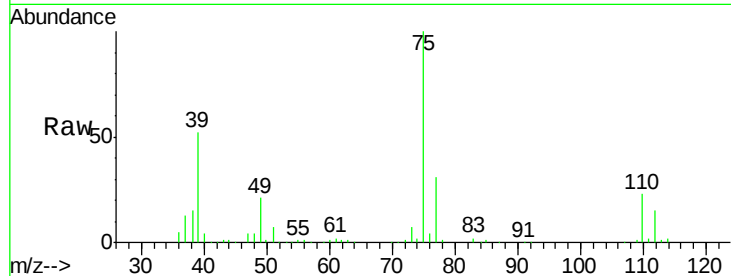
#53
 t-1,3-Dichloropropene
 Concen: 55.718 ug/l
 RT: 10.38 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VN054934.D
 Acq: 3 Apr 2019 19:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 311292
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.8 38.8

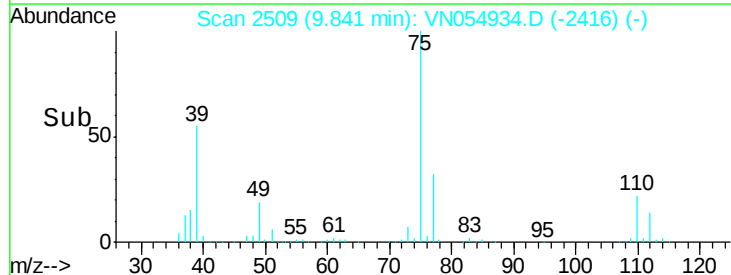
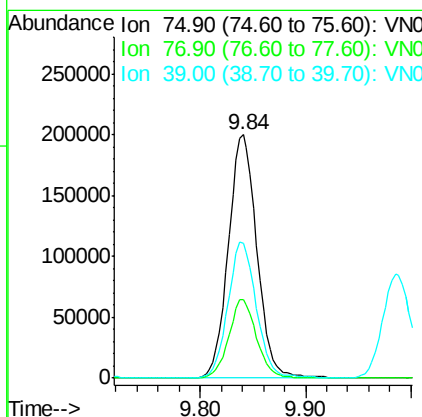
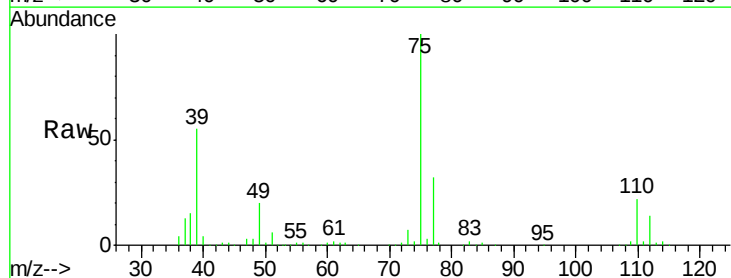
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#54
 cis-1,3-Dichloropropene
 Concen: 56.116 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN054934.D
 Acq: 3 Apr 2019 19:31

Tgt Ion: 75 Resp: 374512
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.4 38.0
 39 55.3 37.2 55.8





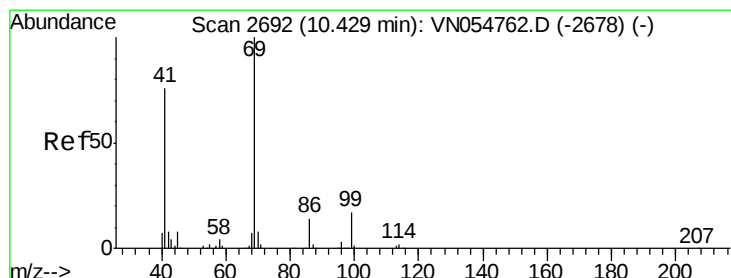
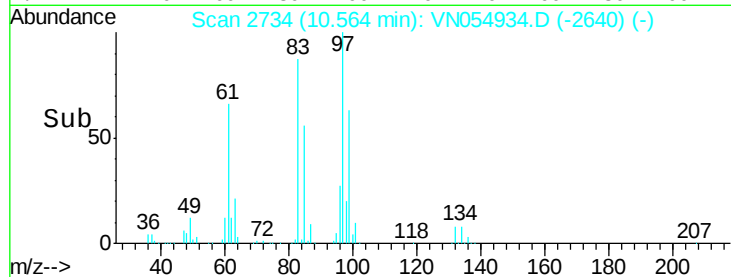
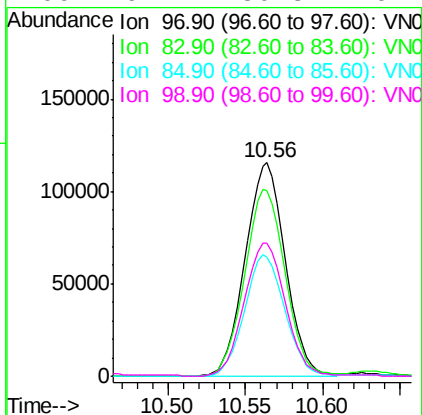
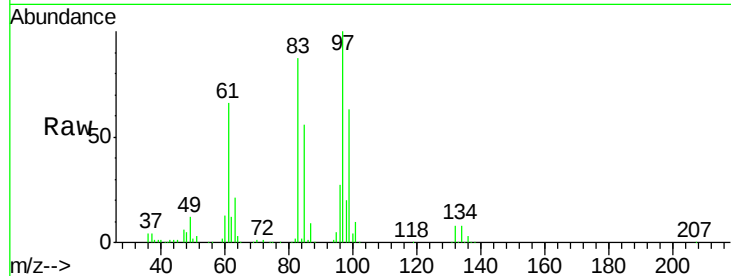
#55
 1,1,2-Trichloroethane
 Concen: 52.828 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054934.D
 Acq: 3 Apr 2019 19:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	208248
Ion	Ratio	Lower	Upper
97	100		
83	87.1	66.6	100.0
85	55.7	44.4	66.6
99	62.4	50.8	76.2

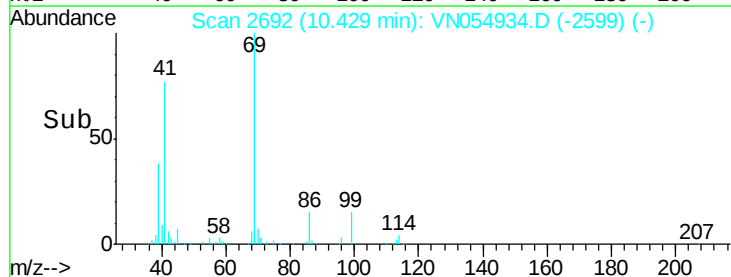
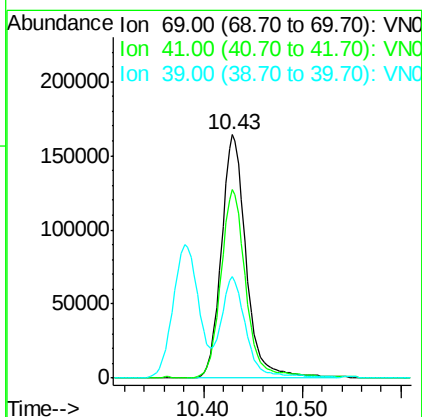
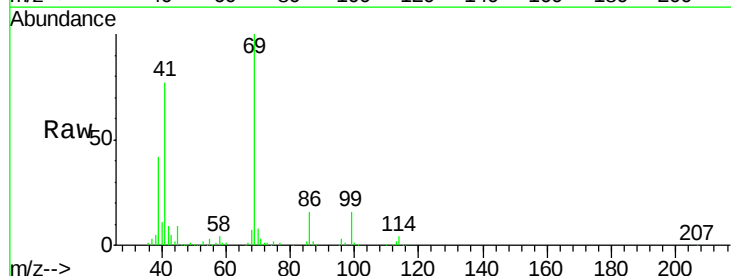
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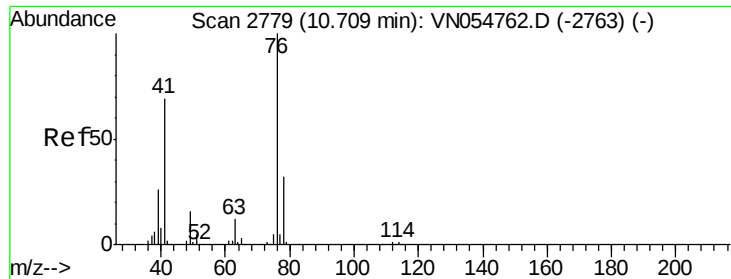
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 4/4/2019 9:30:45 AM



#56
 Ethyl methacrylate
 Concen: 56.088 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054934.D
 Acq: 3 Apr 2019 19:31

Tgt Ion:	69	Resp:	290037
Ion	Ratio	Lower	Upper
69	100		
41	77.9	49.4	74.2#
39	41.6	28.3	42.5





#57

1,3-Dichloropropane

Concen: 54.162 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054934.D

Acq: 3 Apr 2019 19:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 367066

Ion Ratio Lower Upper

76 100

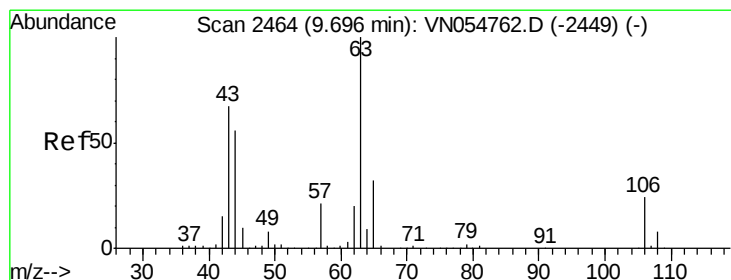
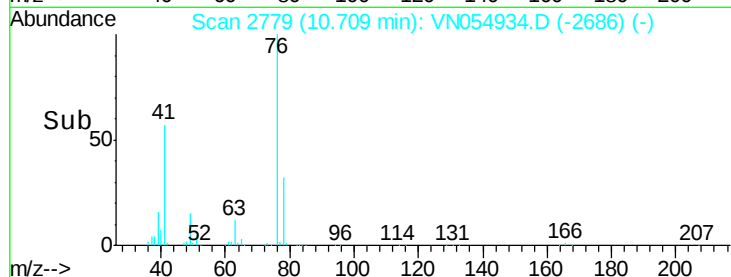
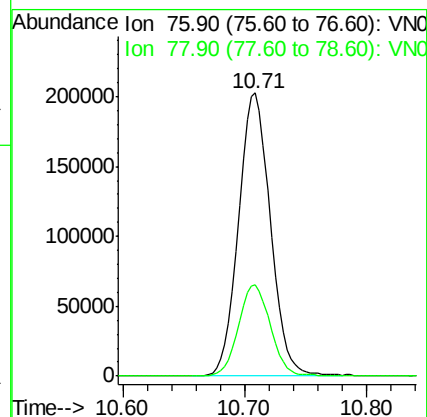
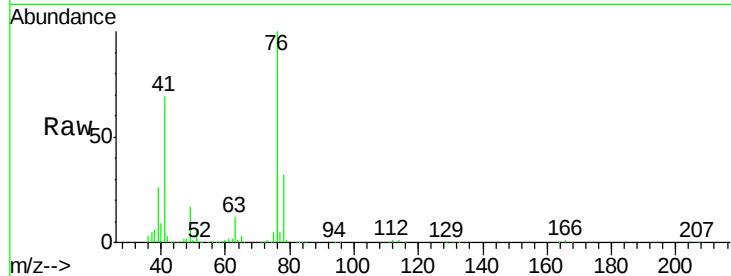
78 32.3 25.7 38.5

Manual Integrations

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4/4/2019 9:30:45 AM



#58

2-Chloroethyl Vinyl ether

Concen: 260.598 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054934.D

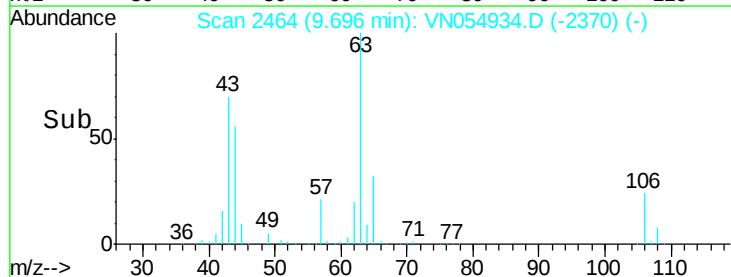
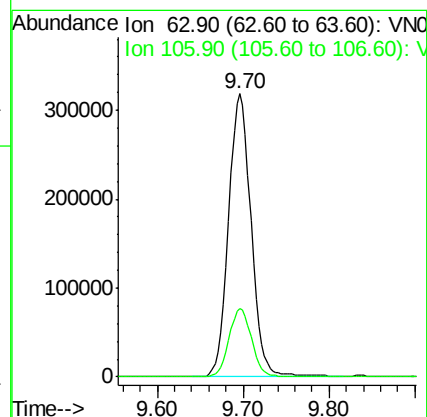
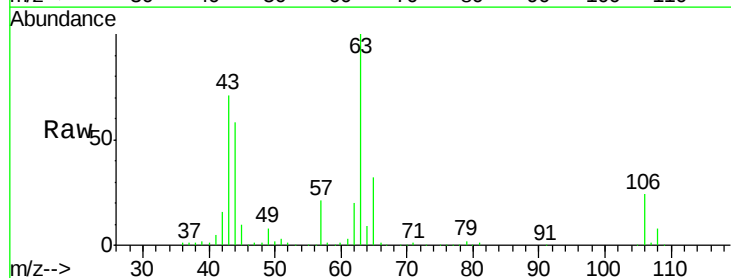
Acq: 3 Apr 2019 19:31

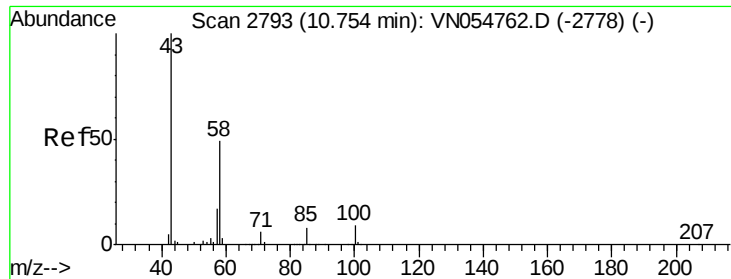
Tgt Ion: 63 Resp: 581500

Ion Ratio Lower Upper

63 100

106 24.2 24.4 36.6#





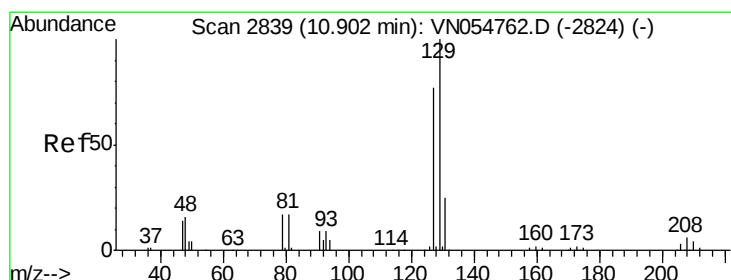
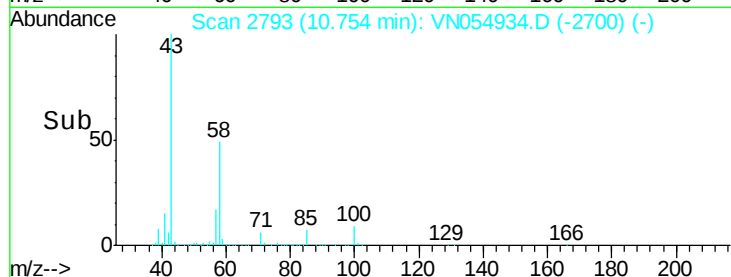
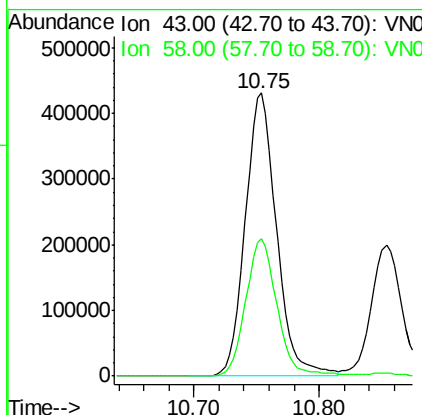
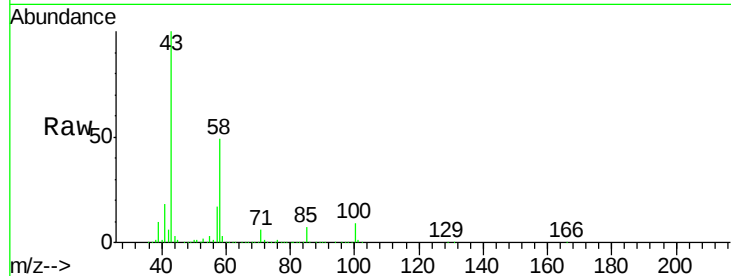
#59
2-Hexanone
Concen: 279.952 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054934.D
Acq: 3 Apr 2019 19:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 747542
Ion Ratio Lower Upper
43 100
58 48.9 28.0 83.9

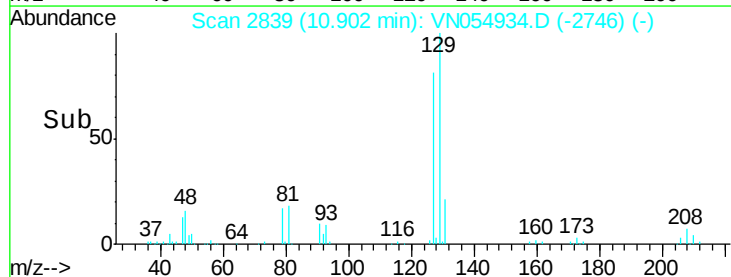
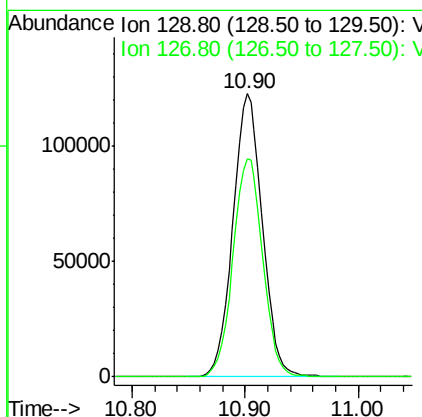
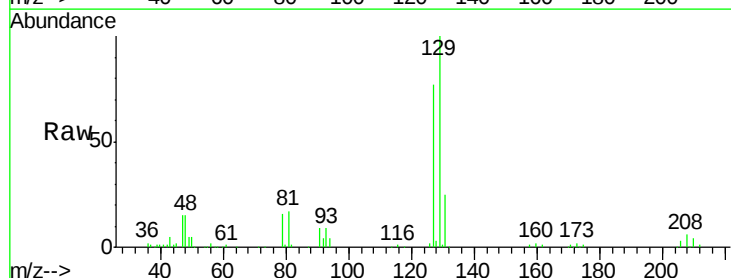
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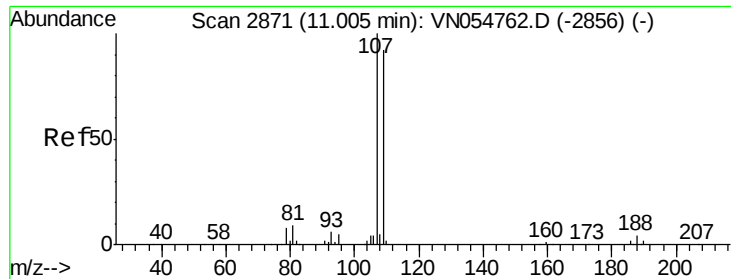
MMDadoda
4/4/2019 9:30:45 AM



#60
Dibromochloromethane
Concen: 55.621 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054934.D
Acq: 3 Apr 2019 19:31

Tgt Ion: 129 Resp: 222104
Ion Ratio Lower Upper
129 100
127 77.8 38.6 115.8





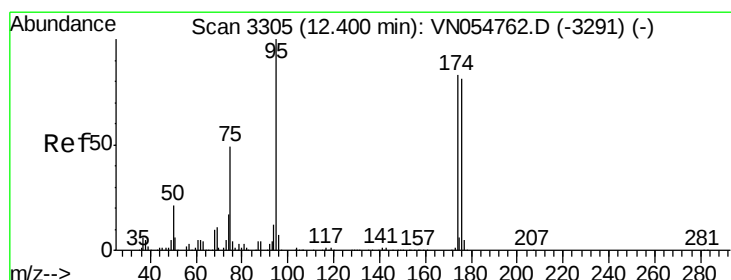
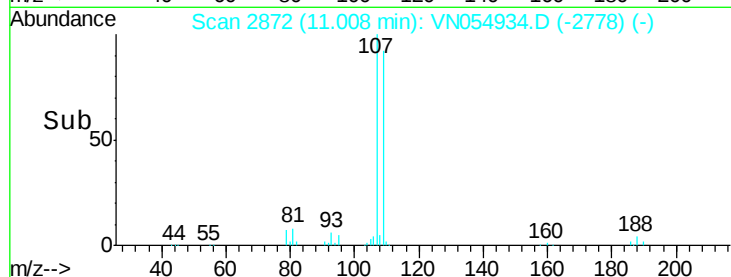
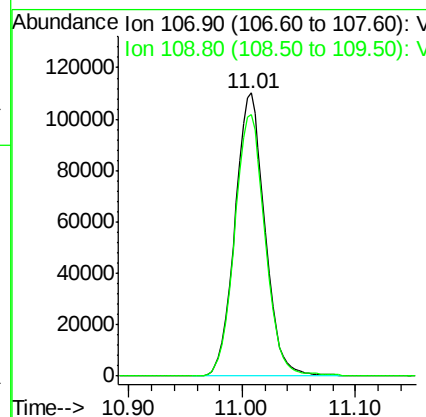
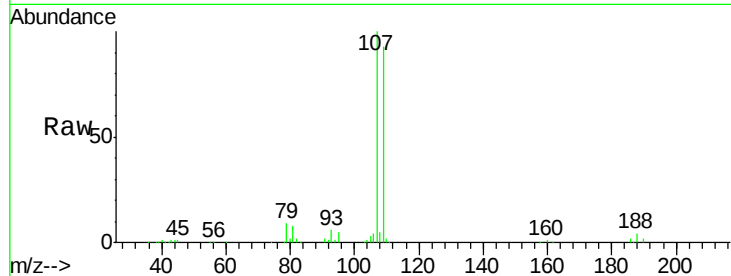
#61
 1,2-Dibromoethane
 Concen: 53.673 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054934.D
 Acq: 3 Apr 2019 19:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.9	113.9

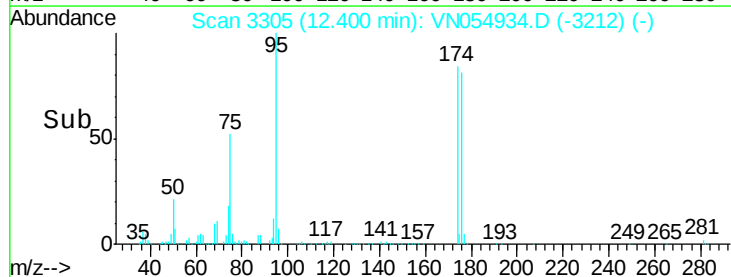
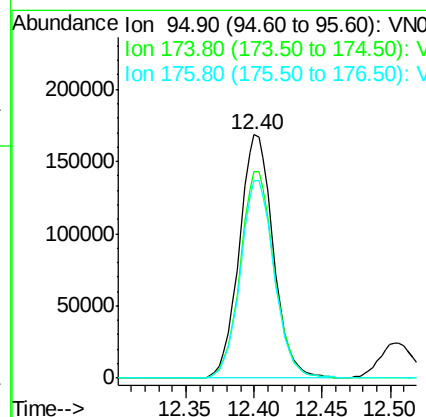
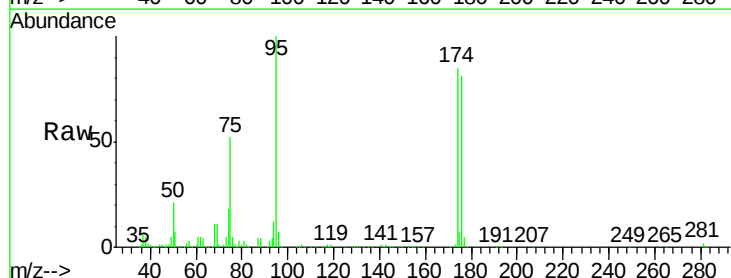
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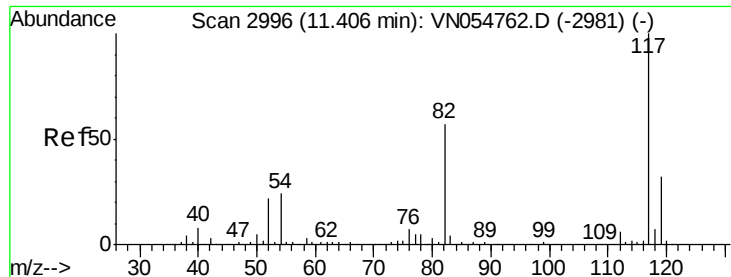
MMDadoda
 4/4/2019 9:30:45 AM



#62
 4-Bromofluorobenzene
 Concen: 52.920 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054934.D
 Acq: 3 Apr 2019 19:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.7	0.0	191.0
176	81.4	0.0	187.4





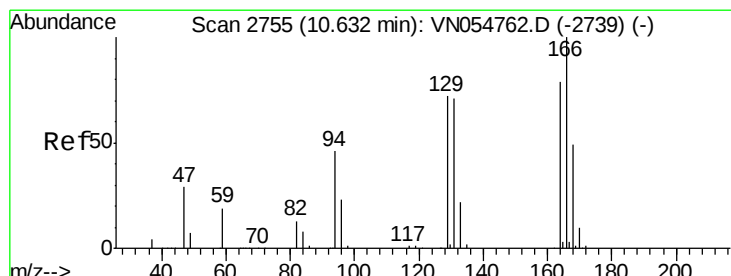
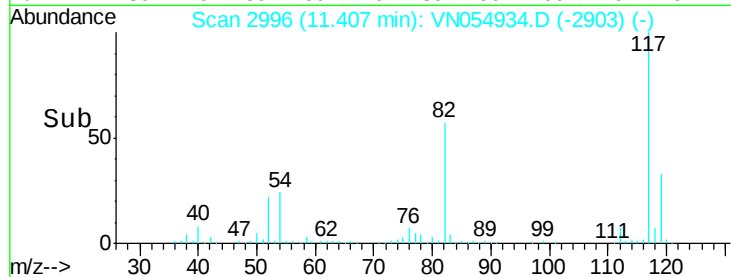
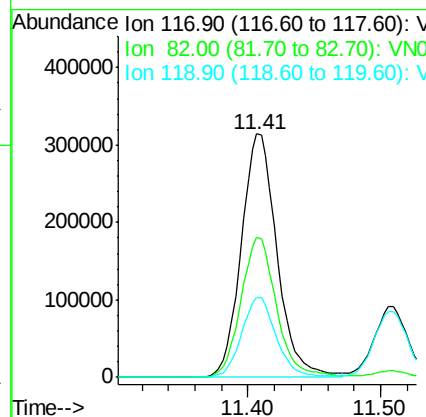
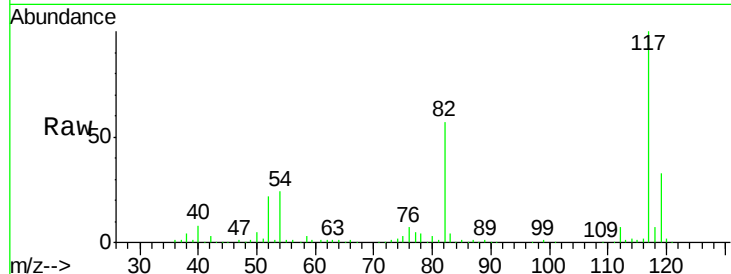
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054934.D
Acq: 3 Apr 2019 19:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.4	40.0	60.0
119	32.8	25.8	38.6

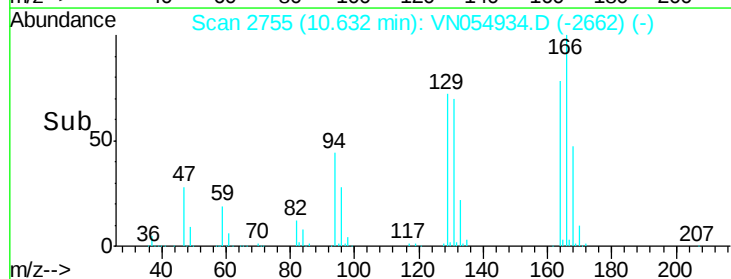
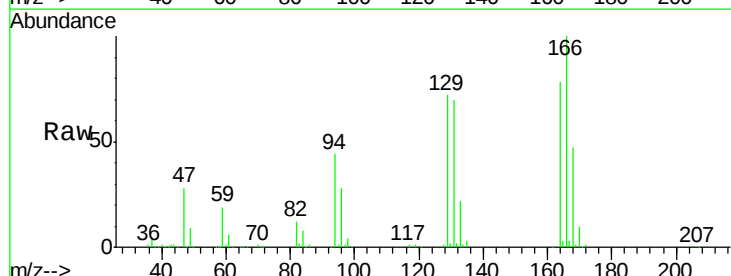
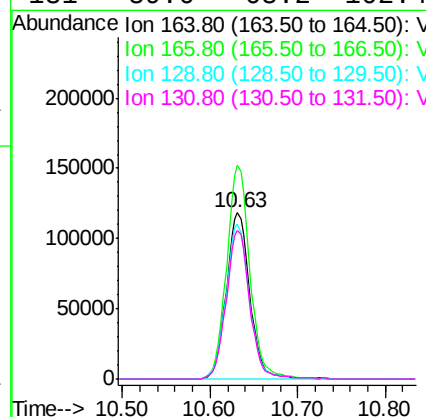
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#64
Tetrachloroethene
Concen: 49.102 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054934.D
Acq: 3 Apr 2019 19:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.7	103.9	155.9
129	93.3	71.1	106.7
131	89.6	68.2	102.4





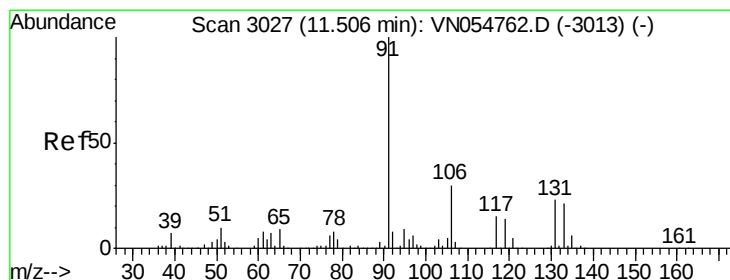
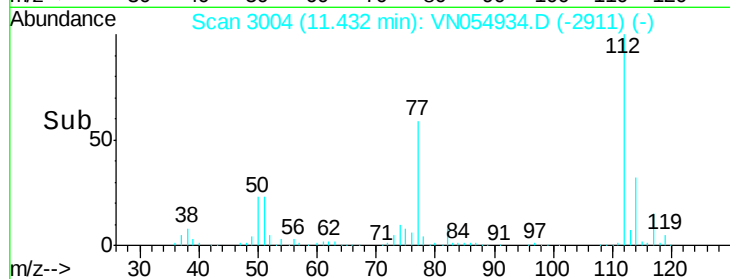
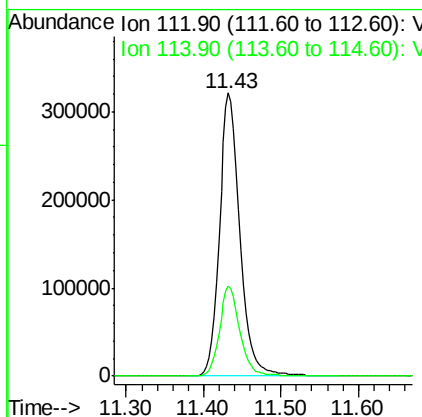
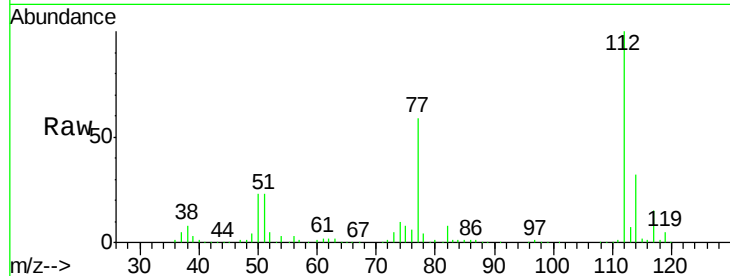
#65
Chlorobenzene
Concen: 51.489 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054934.D
Acq: 3 Apr 2019 19:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 592139
Ion Ratio Lower Upper
112 100
114 31.8 25.9 38.9

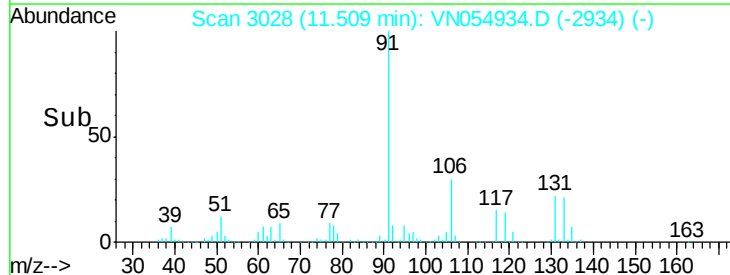
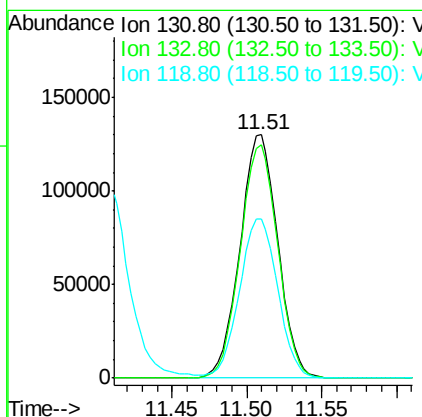
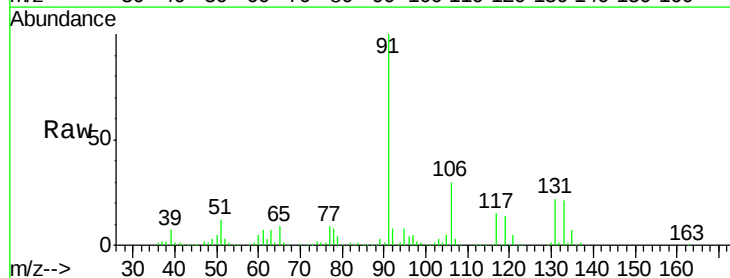
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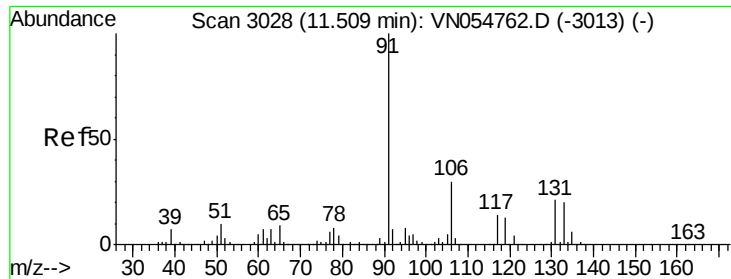
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.199 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054934.D
Acq: 3 Apr 2019 19:31

Tgt Ion:131 Resp: 228997
Ion Ratio Lower Upper
131 100
133 95.2 47.6 142.9
119 66.5 32.4 97.0





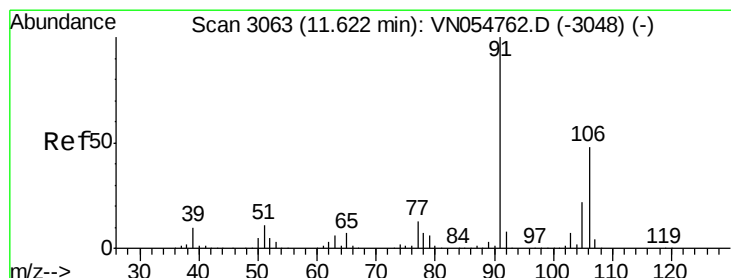
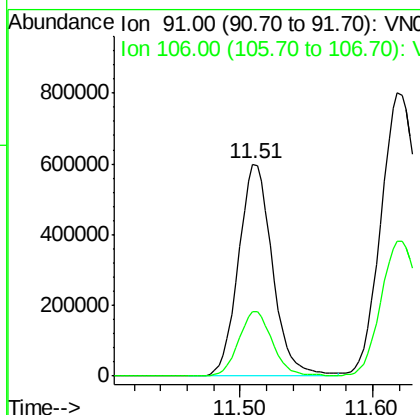
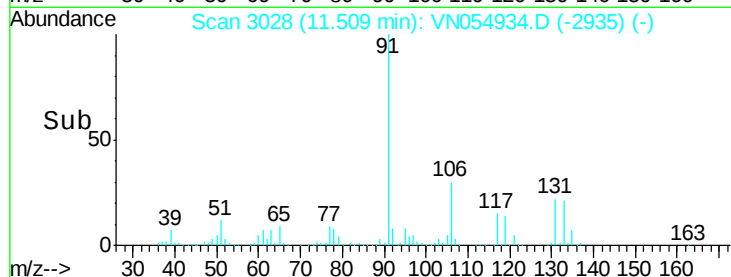
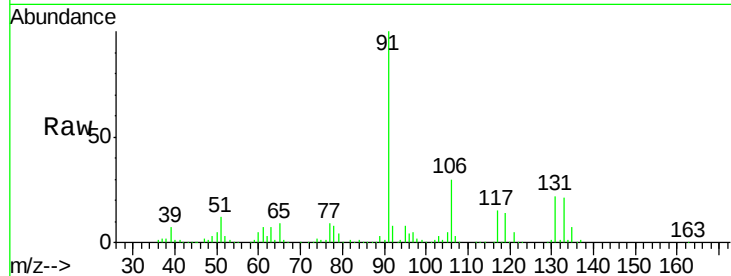
#67
Ethyl Benzene
Concen: 51.405 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054934.D
Acq: 3 Apr 2019 19:31

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 1066785
Ion Ratio Lower Upper
91 100
106 30.3 25.5 38.3

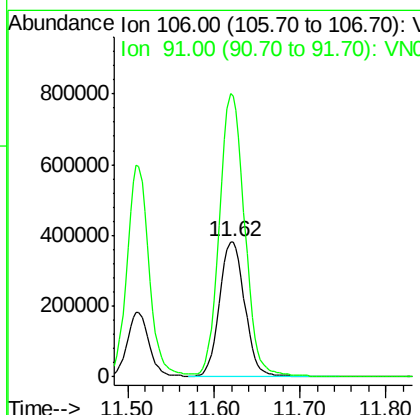
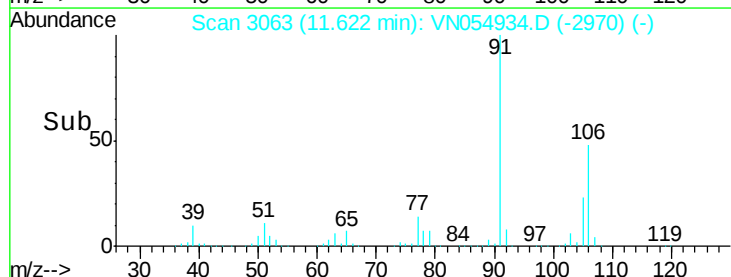
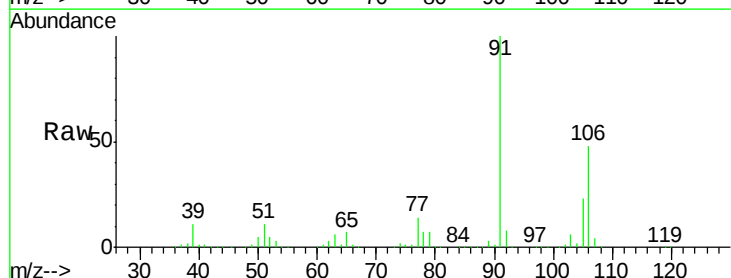
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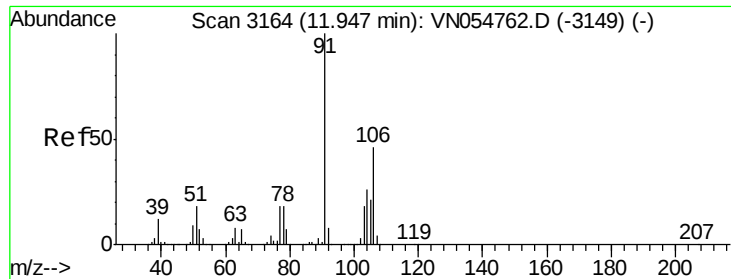
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#68
m/p-Xylenes
Concen: 102.618 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054934.D
Acq: 3 Apr 2019 19:31

Tgt Ion: 106 Resp: 788086
Ion Ratio Lower Upper
106 100
91 208.3 159.4 239.2





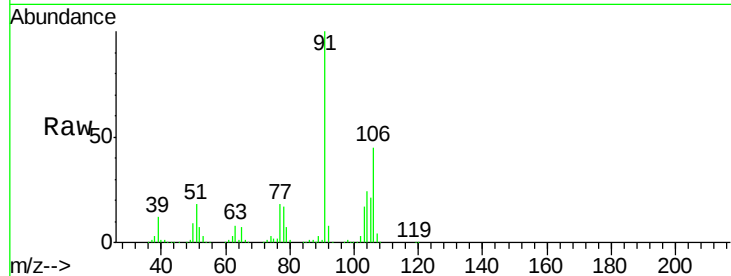
#69
o-Xylene
Concen: 51.228 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054934.D
Acq: 3 Apr 2019 19:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

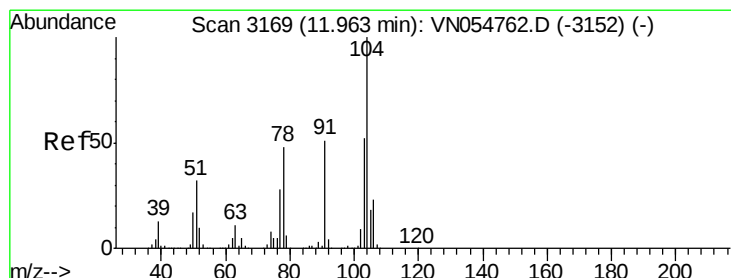
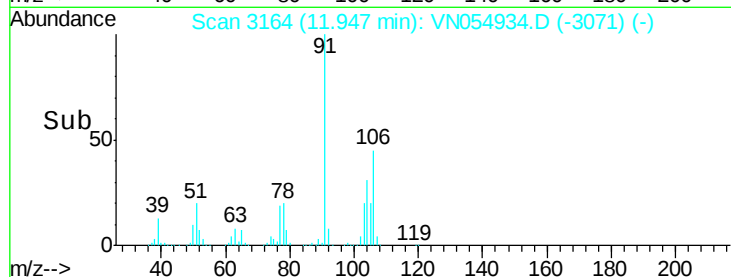
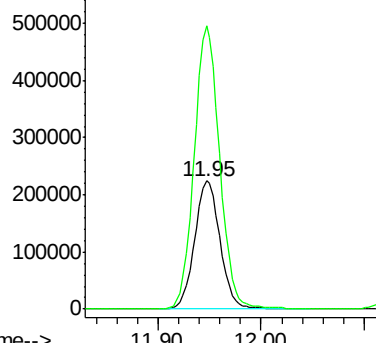
Tot Ion:106 Resp: 385785
Ion Ratio Lower Upper
106 100
91 220.7 105.7 317.1

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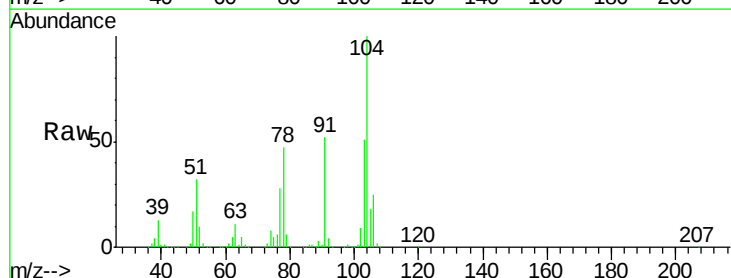


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

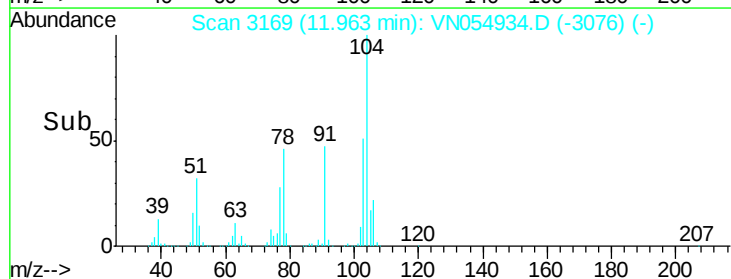
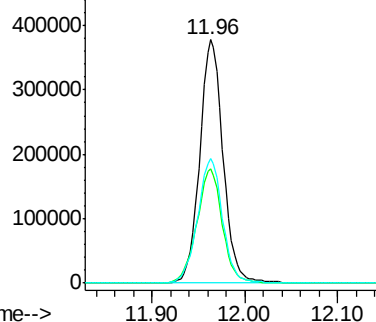


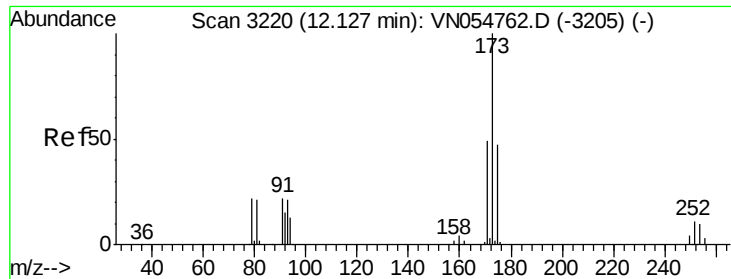
#70
Styrene
Concen: 54.697 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054934.D
Acq: 3 Apr 2019 19:31

Tgt Ion:104 Resp: 658613
Ion Ratio Lower Upper
104 100
78 51.1 38.2 57.2
103 54.8 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN0
Ion 103.00 (102.70 to 103.70): V





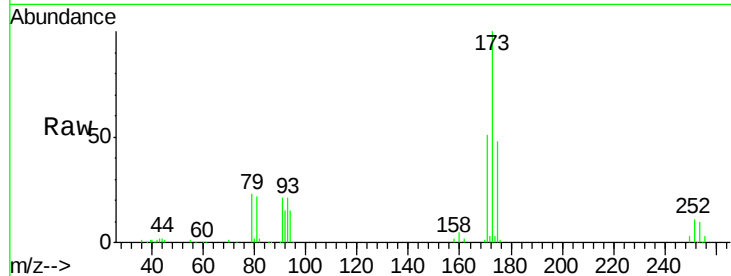
#71
Bromoform
Concen: 54.873 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054934.D
Acq: 3 Apr 2019 19:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.4	73.2
254	0.1	0.1	0.1#

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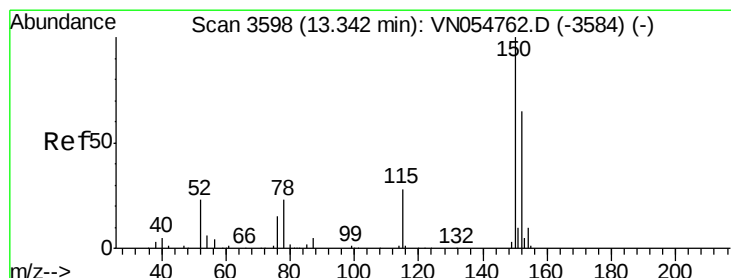
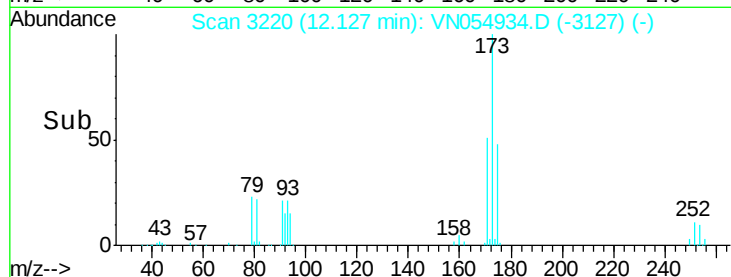
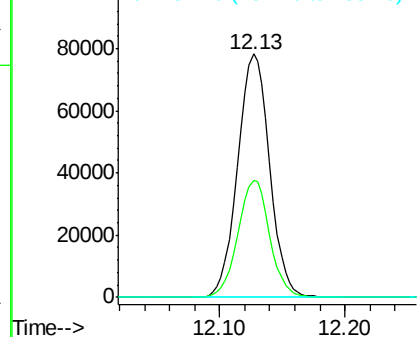


Abundance

Ion 172.70 (172.40 to 173.40): V

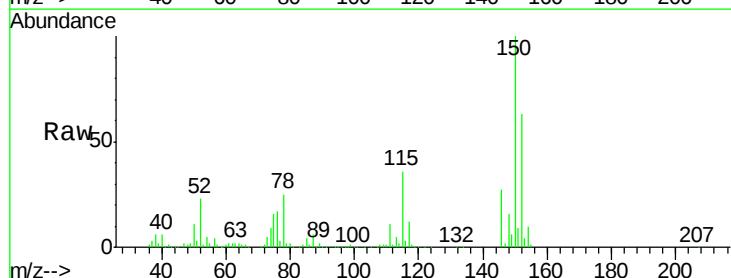
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN054934.D
Acq: 3 Apr 2019 19:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.0	27.2	81.6
150	170.9	0.0	349.2

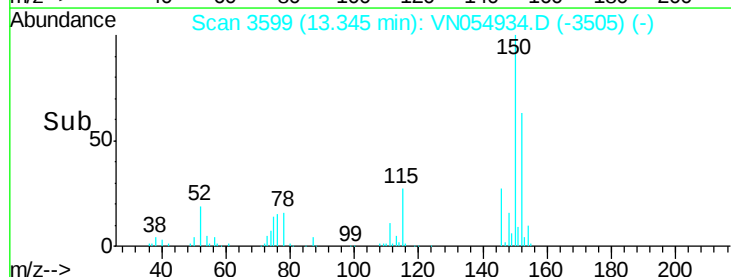
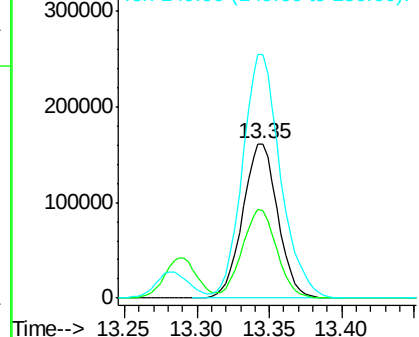


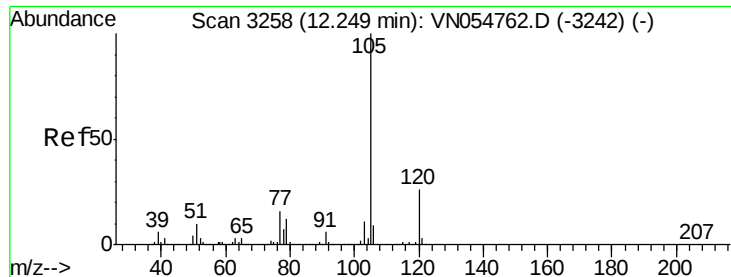
Abundance

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: 46.721 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054934.D

Acq: 3 Apr 2019 19:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 1033799

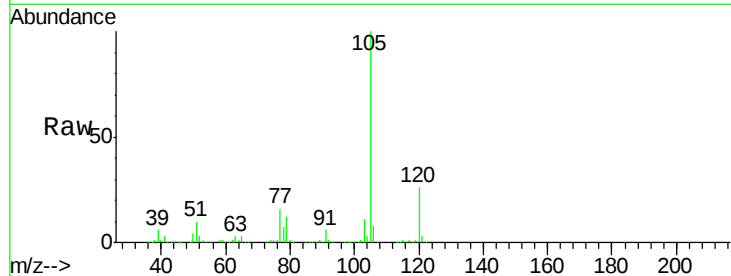
Ion Ratio Lower Upper

105 100

120 26.1 13.8 41.3

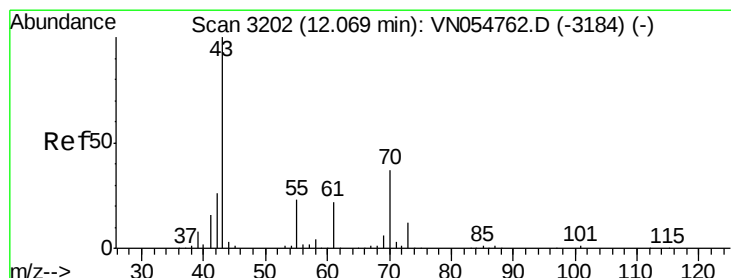
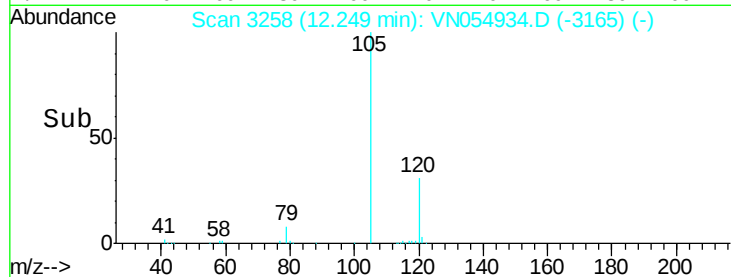
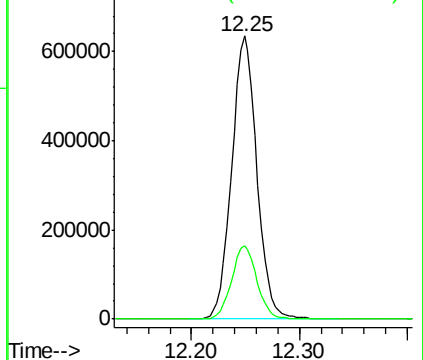
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.579 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054934.D

Acq: 3 Apr 2019 19:31

Tgt Ion: 43 Resp: 341776

Ion Ratio Lower Upper

43 100

70 36.2 35.4 53.0

55 24.0 19.8 29.6

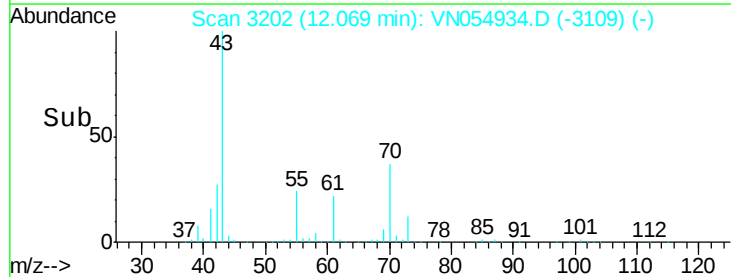
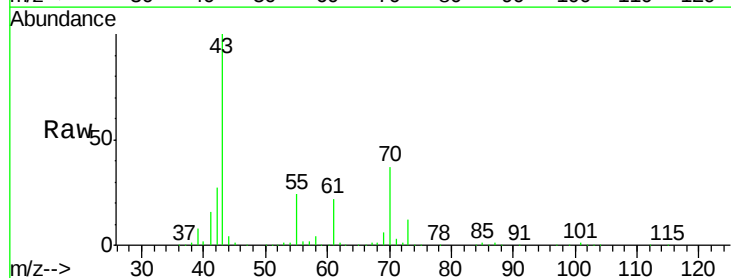
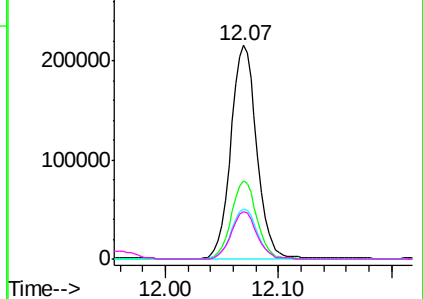
61 21.9 19.8 29.6

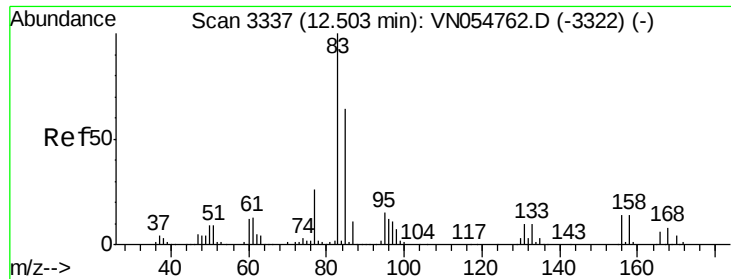
Abundance Ion 43.00 (42.70 to 43.70): V

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: 53.908 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054934.D

Acq: 3 Apr 2019 19:31

Instrument :

MSVOA_N

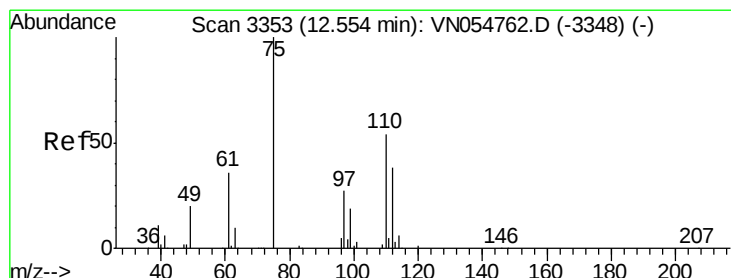
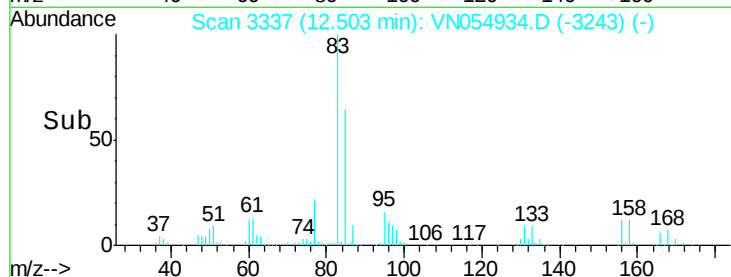
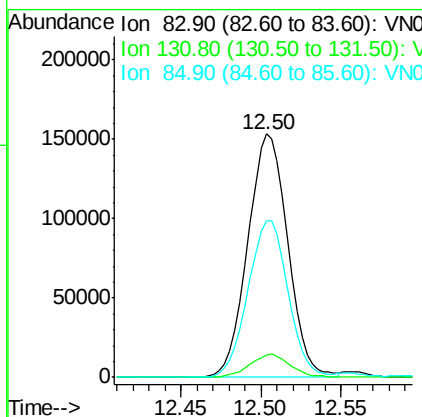
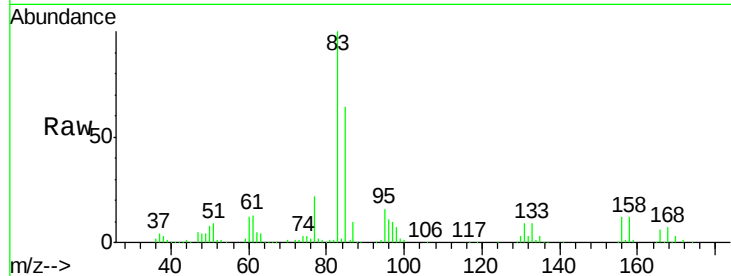
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	262303
Ion Ratio	Lower	Upper	
83	100		
131	9.6	5.8	17.4
85	64.7	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.327 ug/l m

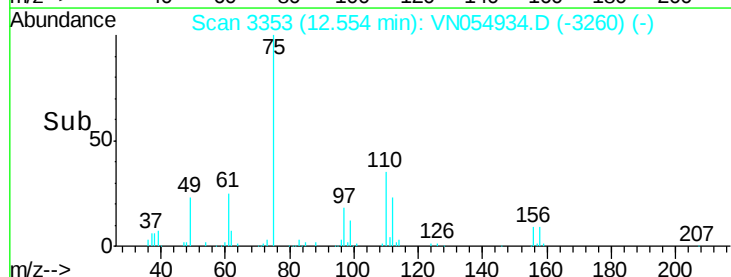
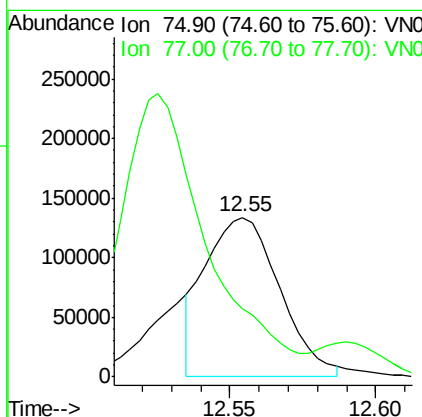
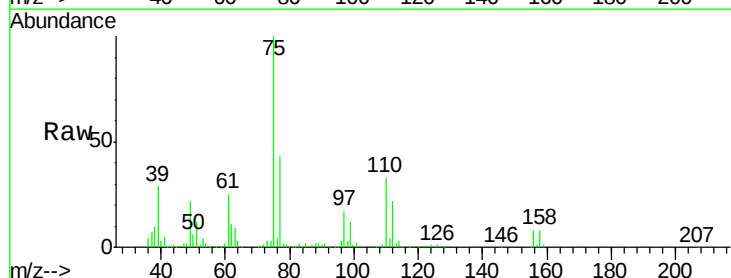
RT: 12.55 min Scan# 3353

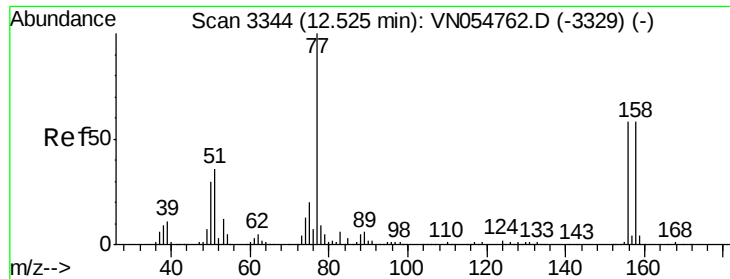
Delta R.T. 0.00 min

Lab File: VN054934.D

Acq: 3 Apr 2019 19:31

Tgt Ion:	75	Resp:	236683
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.581 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054934.D

Acq: 3 Apr 2019 19:31

Instrument :

MSVOA_N

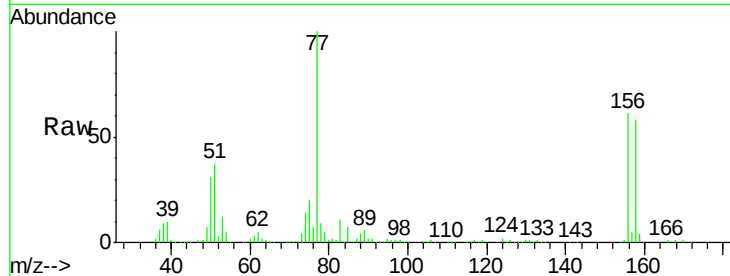
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	254097
Ion Ratio	Lower	Upper	
156	100		
77	193.2	81.5	244.4
158	97.5	49.0	147.2

Manual Integrations
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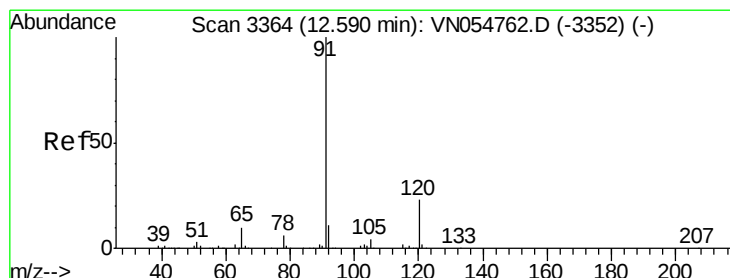
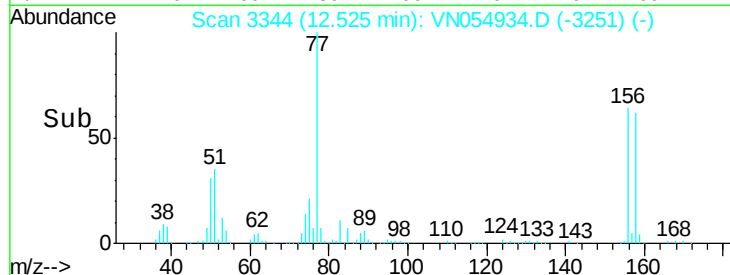
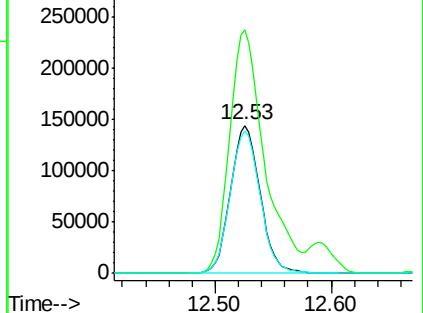
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4/4/2019 9:30:45 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.090 ug/l

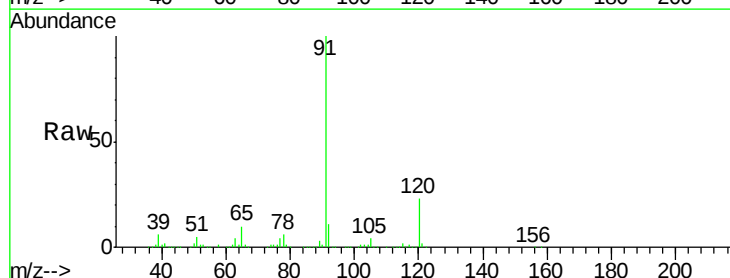
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054934.D

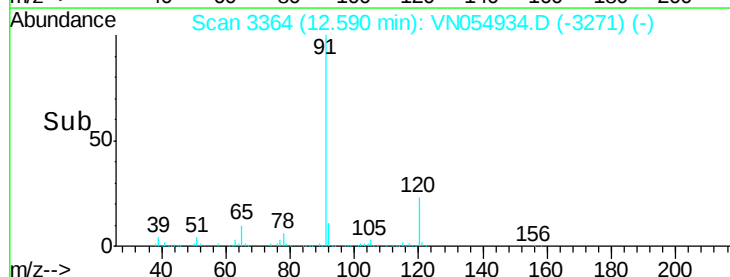
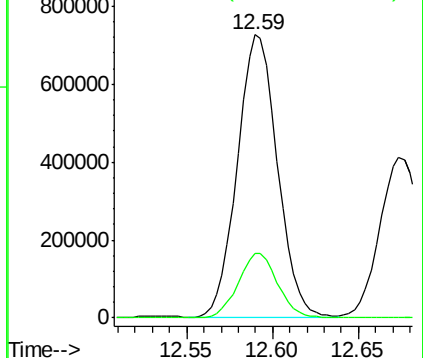
Acq: 3 Apr 2019 19:31

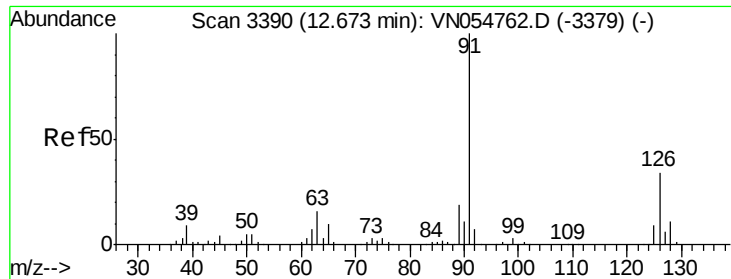
Tgt Ion:	91	Resp:	1169565
Ion Ratio	Lower	Upper	
91	100		
120	22.6	12.3	36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.905 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054934.D

Acq: 3 Apr 2019 19:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 705731

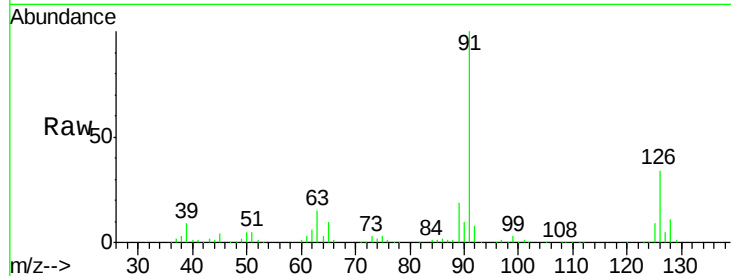
Ion Ratio Lower Upper

91 100

126 33.9 18.7 56.1

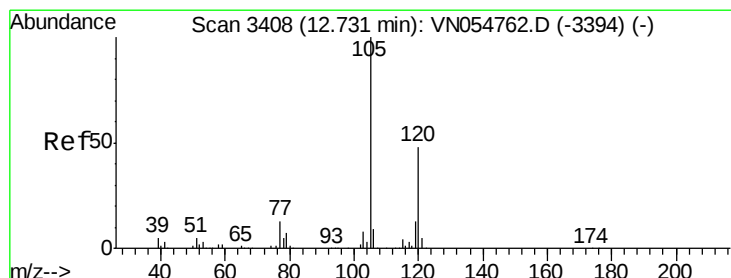
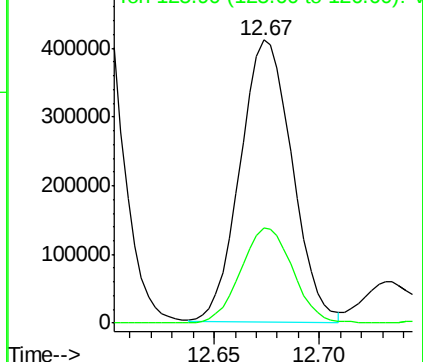
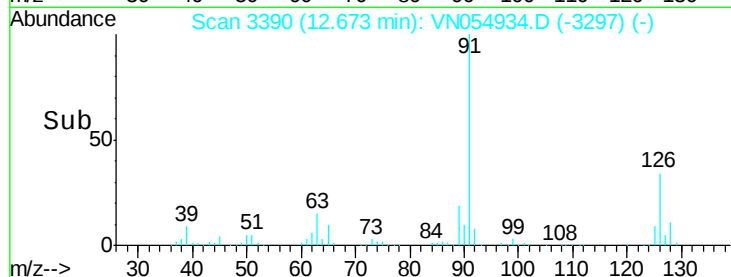
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN054934.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN054934.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 47.549 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054934.D

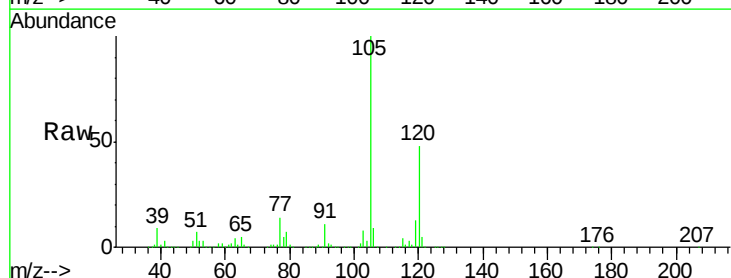
Acq: 3 Apr 2019 19:31

Tgt Ion: 105 Resp: 863309

Ion Ratio Lower Upper

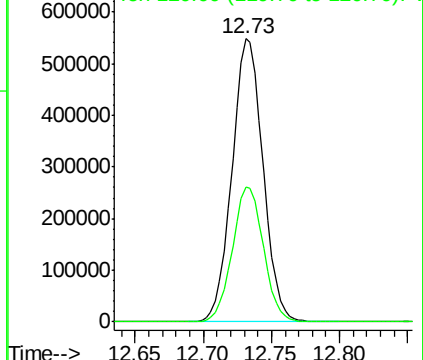
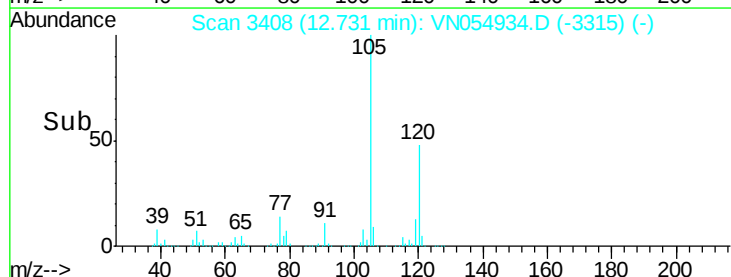
105 100

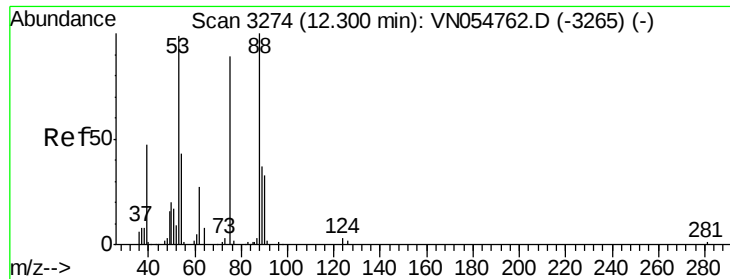
120 47.8 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054934.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN054934.D (-3315) (-)





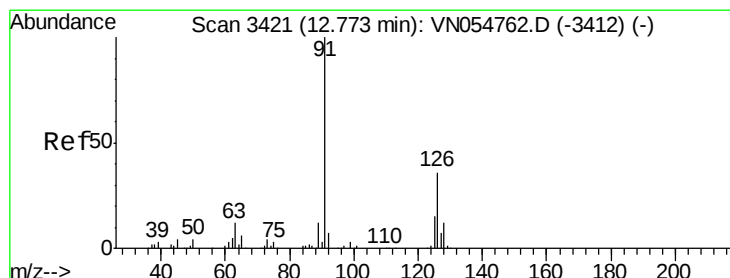
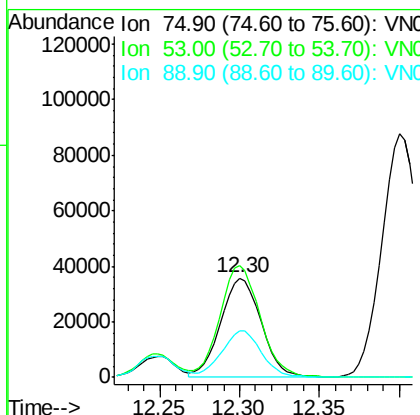
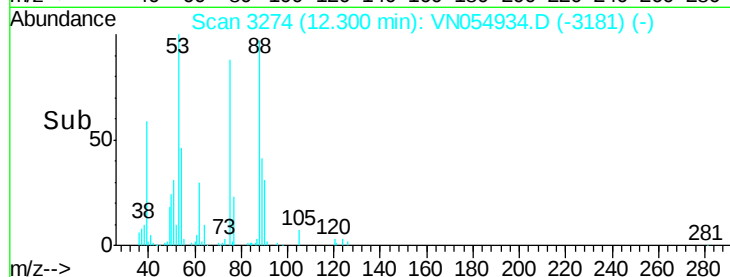
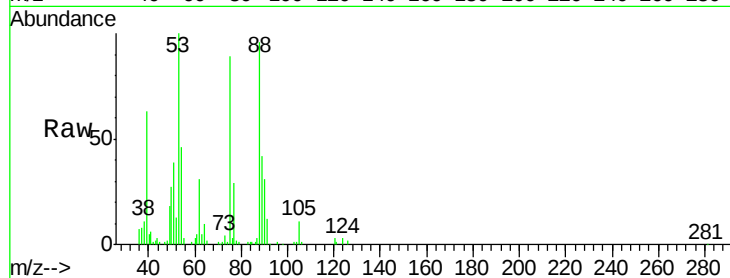
#81
trans-1,4-Dichloro-2-butene
Concen: 50.205 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054934.D
Acq: 3 Apr 2019 19:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	115.2	76.2	114.2#
89	46.7	39.2	58.8

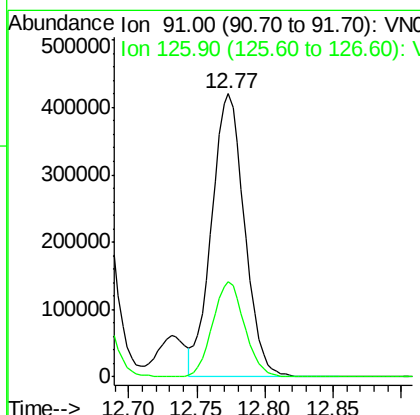
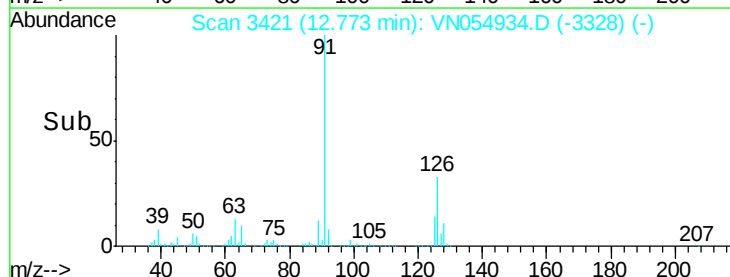
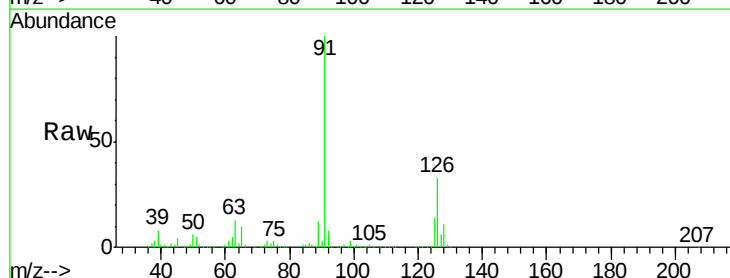
Manual Integrations
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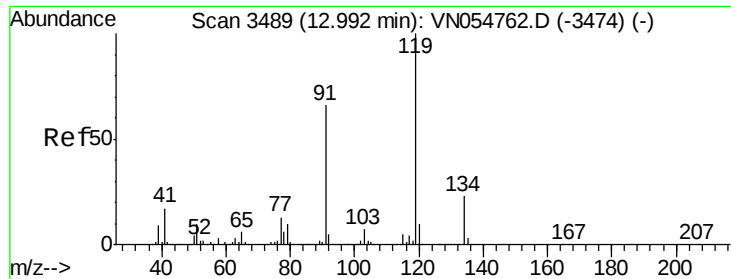
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#82
4-Chlorotoluene
Concen: 47.974 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054934.D
Acq: 3 Apr 2019 19:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	18.1	54.1





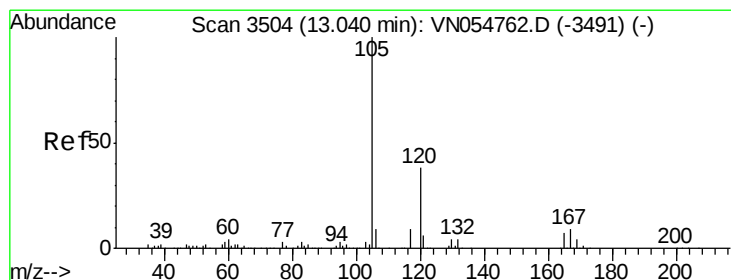
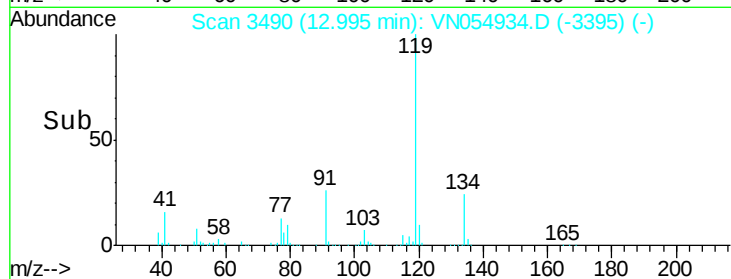
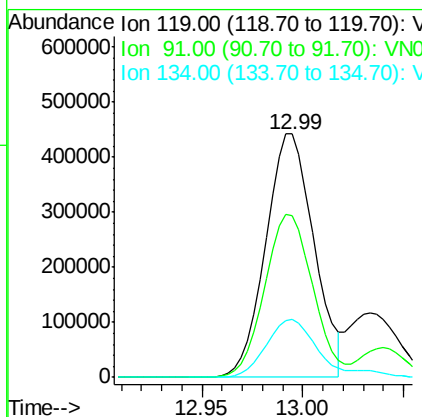
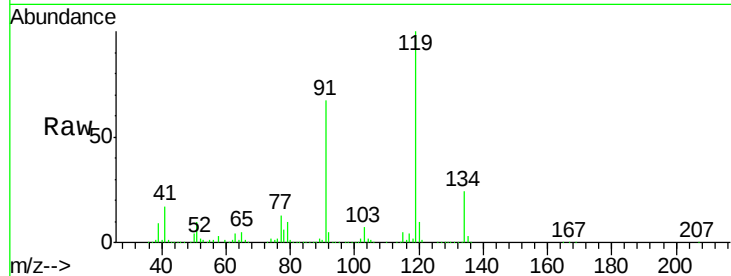
#83
 tert-Butylbenzene
 Concen: 52.362 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054934.D
 Acq: 3 Apr 2019 19:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.5	30.9	92.8
134	26.3	13.2	39.6

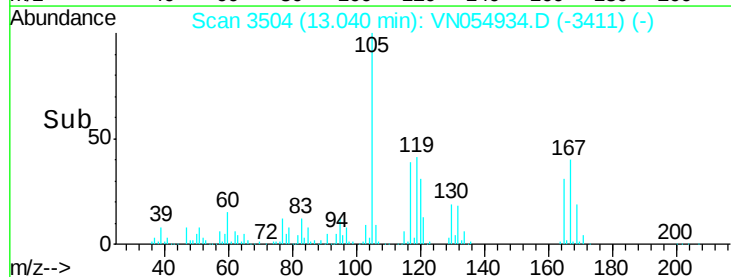
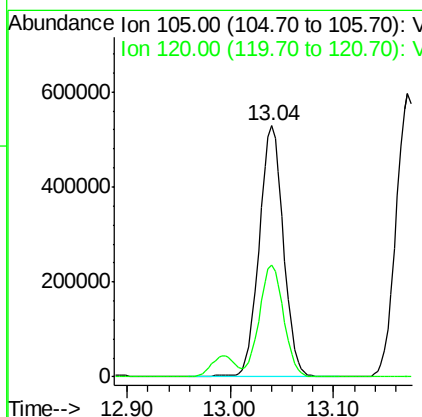
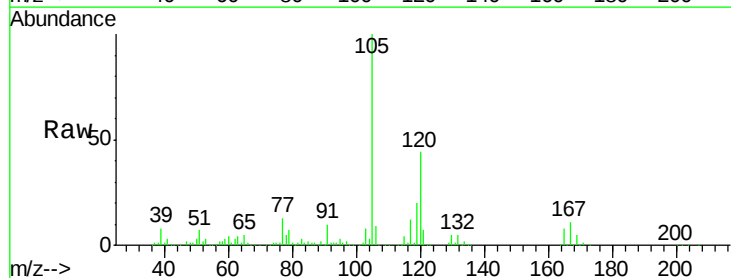
Manual Integrations
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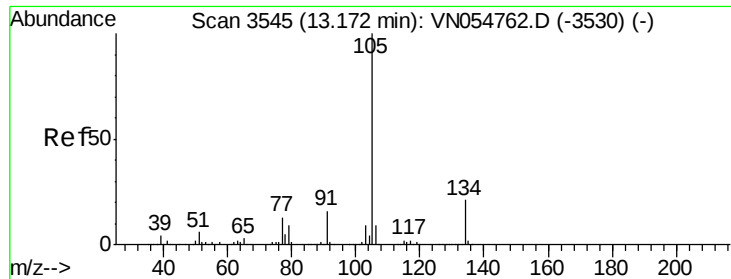
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.598 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054934.D
 Acq: 3 Apr 2019 19:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	23.4	70.3





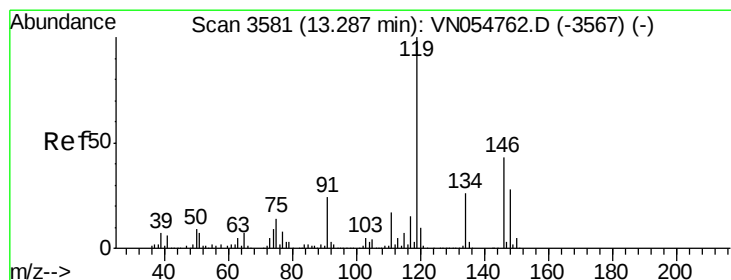
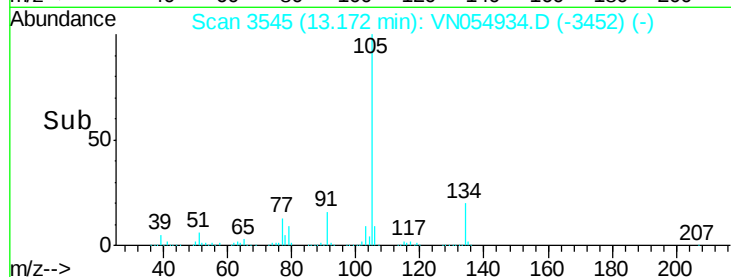
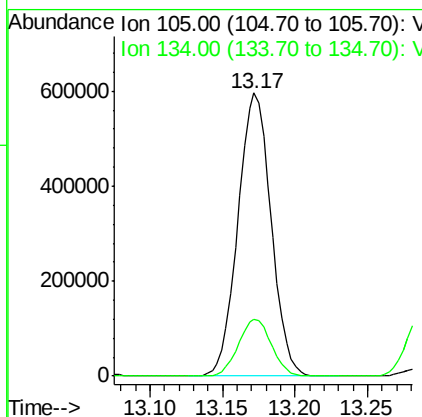
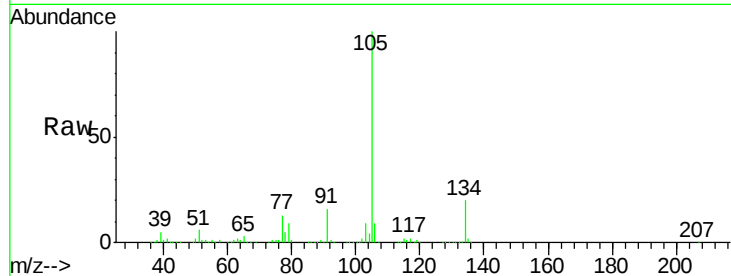
#85
 sec-Butylbenzene
 Concen: 48.081 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054934.D
 Acq: 3 Apr 2019 19:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.7	32.1

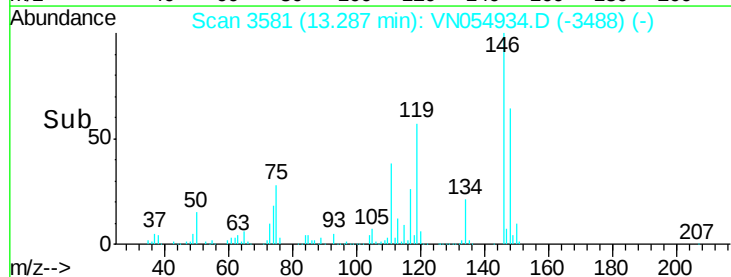
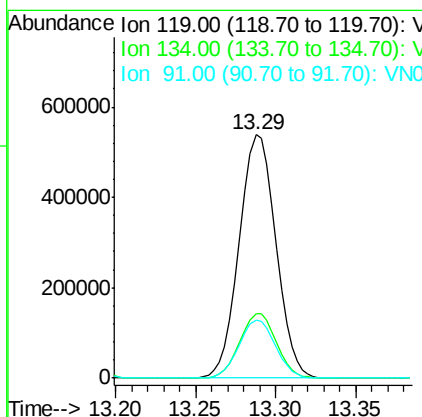
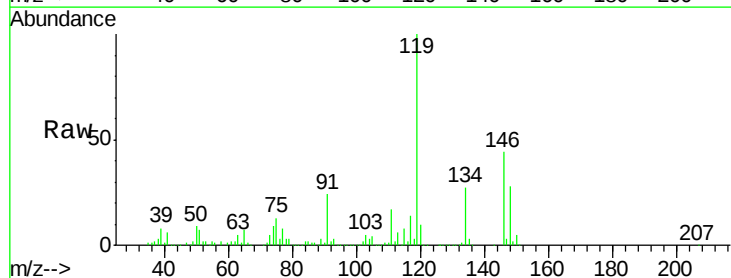
Manual Integrations
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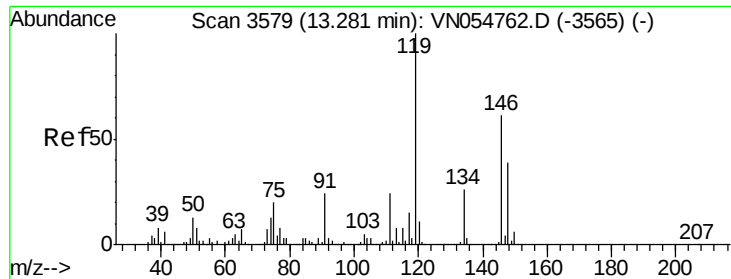
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#86
 p-Isopropyltoluene
 Concen: 48.229 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054934.D
 Acq: 3 Apr 2019 19:31

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.6	40.8
91	23.7	11.1	33.3





#87

1,3-Dichlorobenzene

Concen: 48.695 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054934.D

Acq: 3 Apr 2019 19:31

Instrument :

MSVOA_N

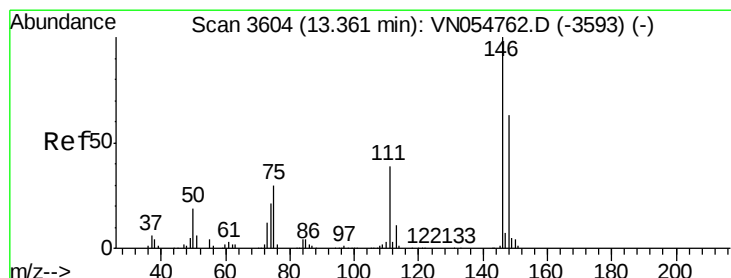
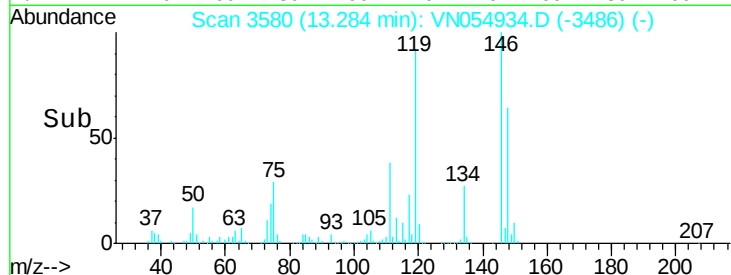
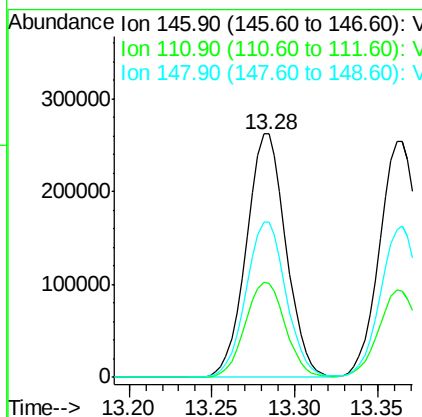
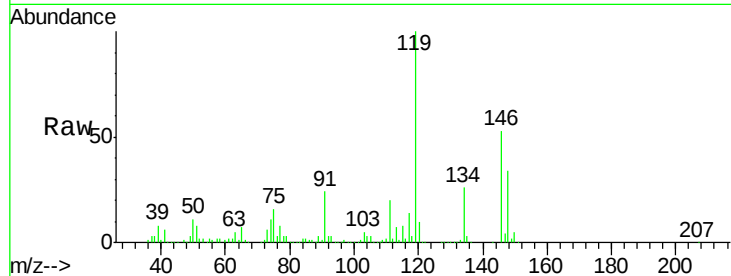
ClientSampled :

VSTDCCC050EC

Tot Ion:	146	Resp:	435384
Ion Ratio	Lower	Upper	
146	100		
111	39.5	18.8	56.3
148	64.4	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 48.823 ug/l

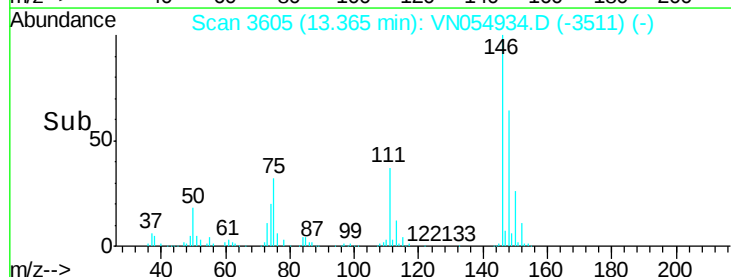
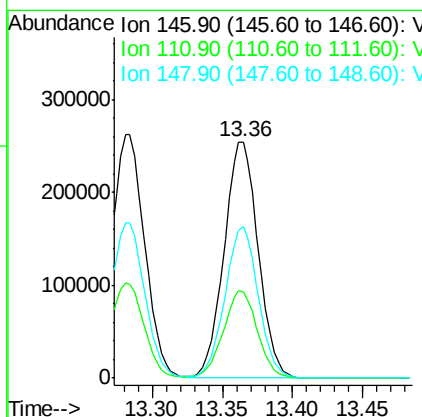
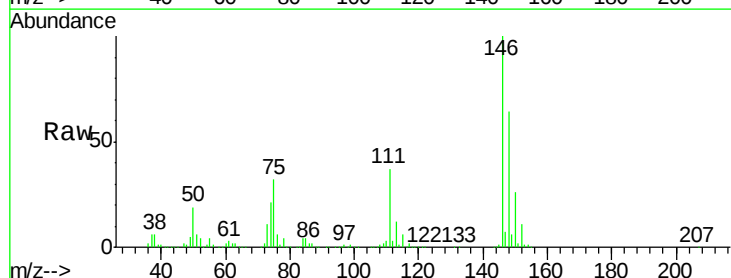
RT: 13.36 min Scan# 3605

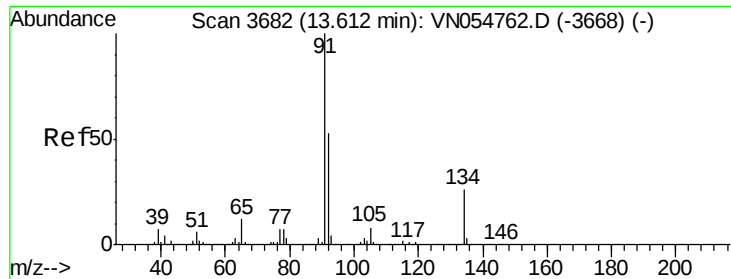
Delta R.T. 0.00 min

Lab File: VN054934.D

Acq: 3 Apr 2019 19:31

Tgt Ion:	146	Resp:	428138
Ion Ratio	Lower	Upper	
146	100		
111	37.0	18.1	54.1
148	63.0	32.0	96.0





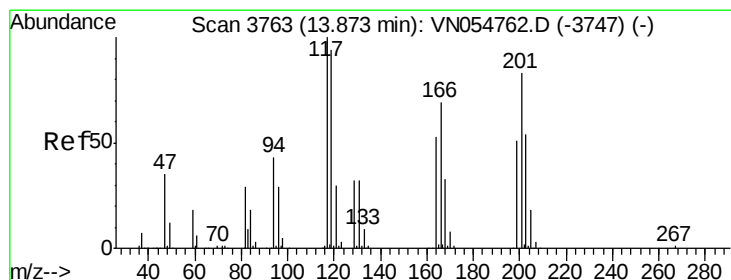
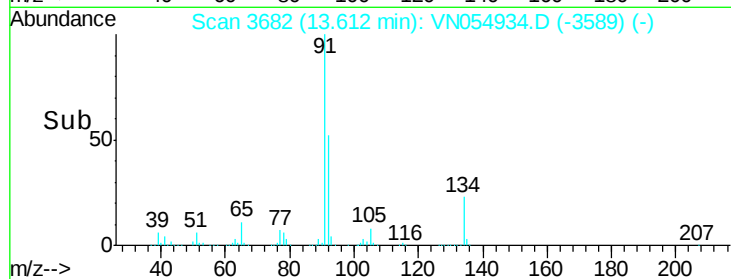
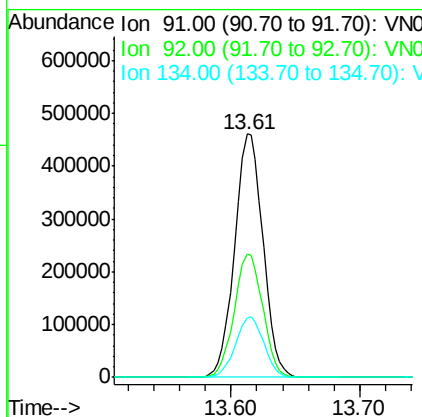
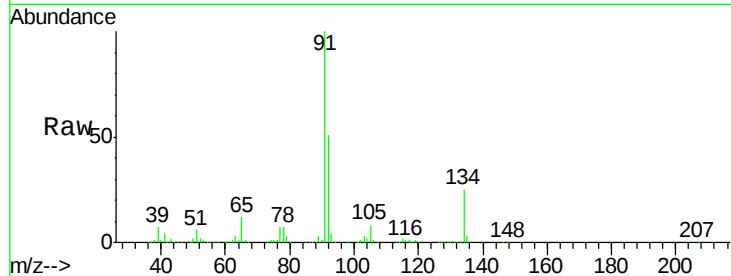
#89
n-Butylbenzene
Concen: 49.466 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN054934.D
Acq: 3 Apr 2019 19:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	26.2	78.6
134	25.0	14.3	42.9

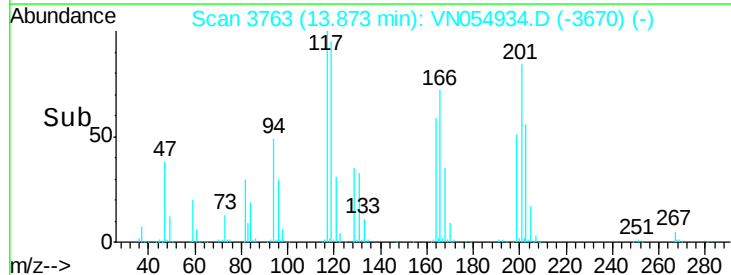
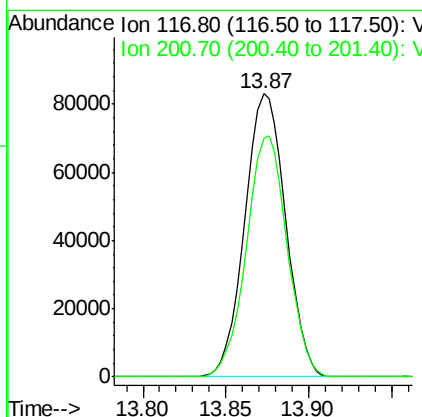
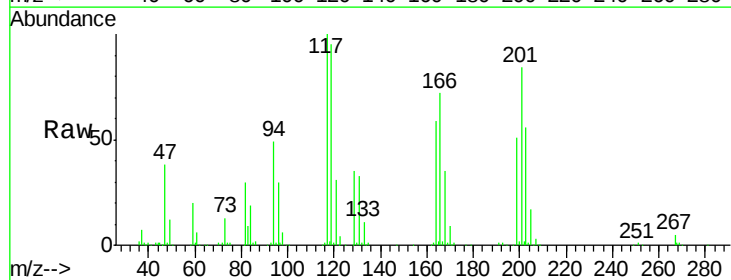
Manual Integrations
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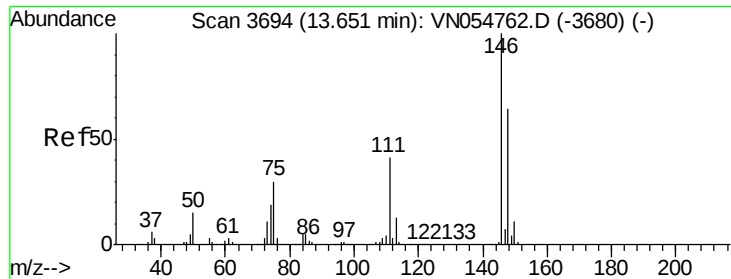
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#90
Hexachloroethane
Concen: 48.206 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN054934.D
Acq: 3 Apr 2019 19:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.6	48.1	144.4





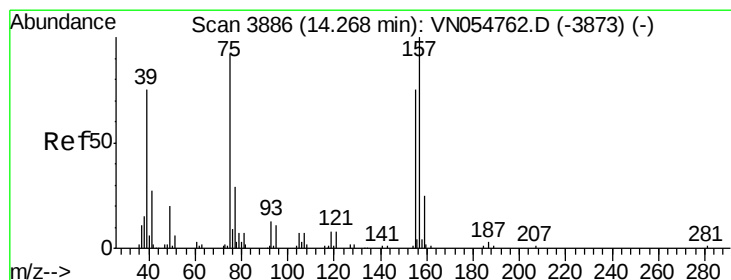
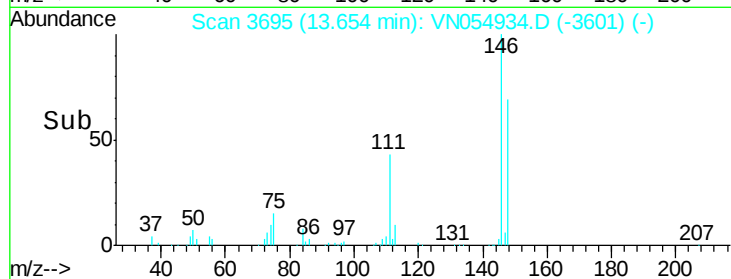
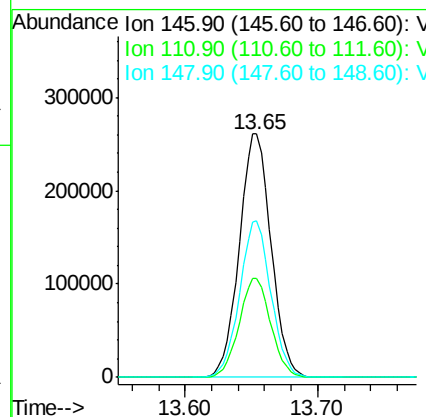
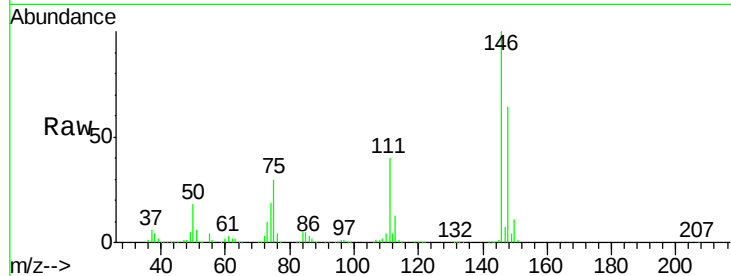
#91
 1,2-Dichlorobenzene
 Concen: 47.962 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054934.D
 Acq: 3 Apr 2019 19:31

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.1	57.3
148	63.2	32.4	97.0

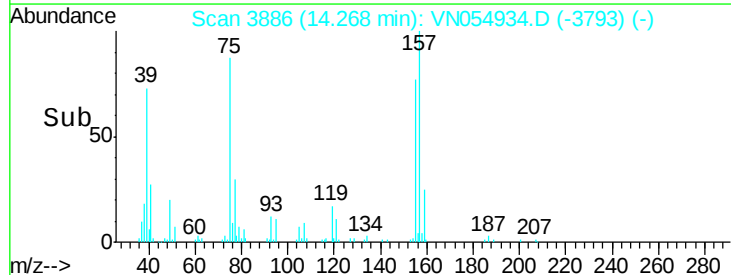
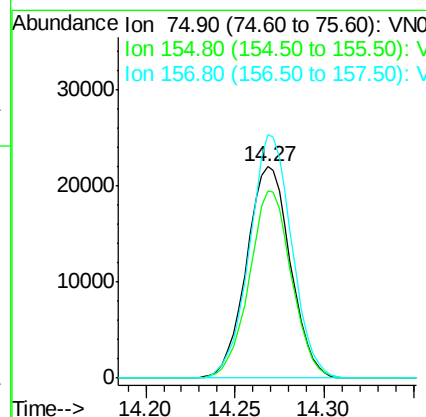
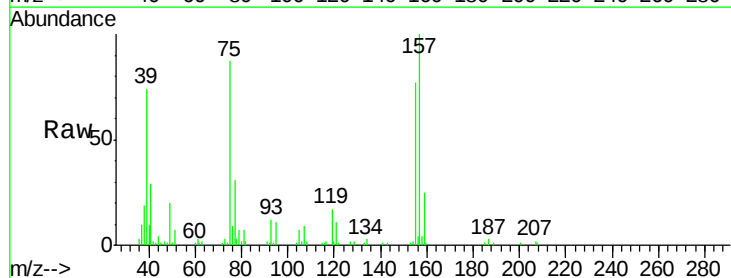
Manual Integrations
 APPROVED

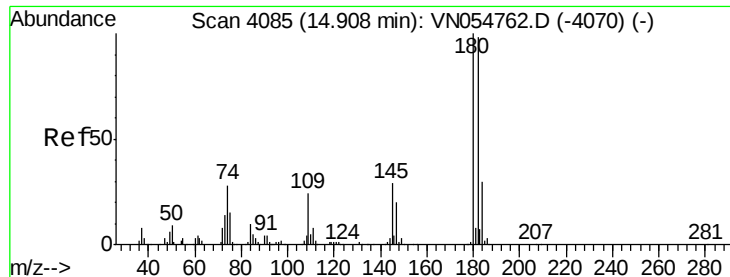
MMDadoda
 4/4/2019 9:30:45 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.885 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN054934.D
 Acq: 3 Apr 2019 19:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.4	50.1	150.3
157	111.1	63.1	189.3





#93

1,2,4-Trichlorobenzene

Concen: 49.598 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054934.D

Acq: 3 Apr 2019 19:31

Instrument :

MSVOA_N

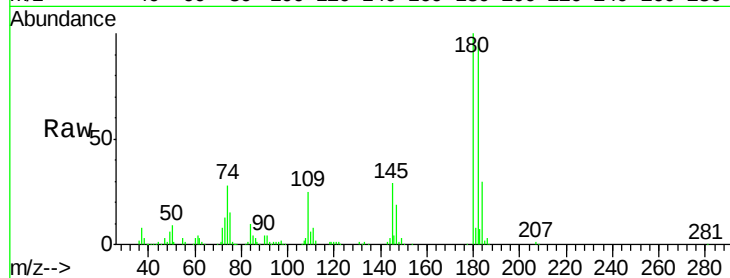
ClientSampleId :

VSTDCCC050EC

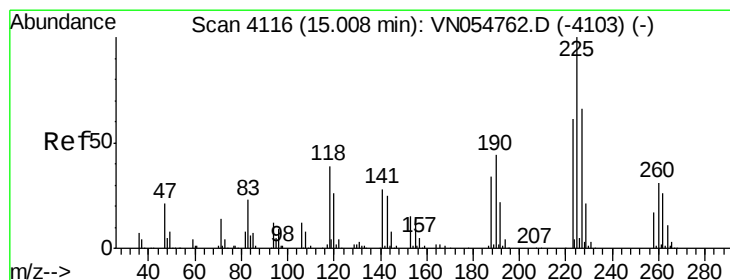
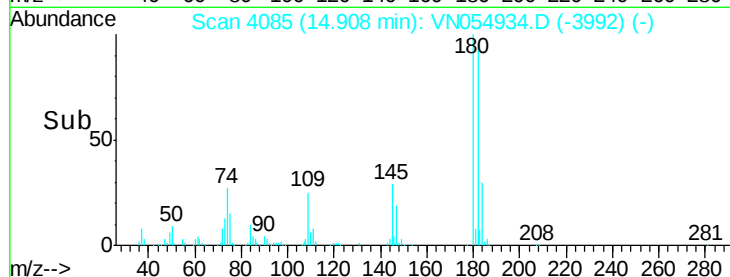
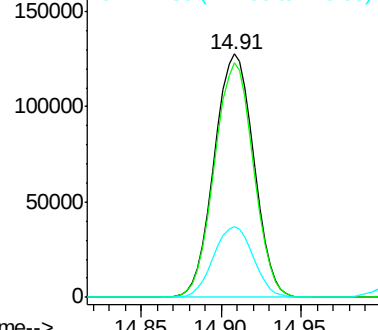
Tot Ion:	180	Resp:	215765
Ion Ratio	Lower	Upper	
180	100		
182	95.0	48.0	144.2
145	29.0	14.2	42.8

Manual Integrations
APPROVED

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4/4/2019 9:30:45 AM



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 51.995 ug/l

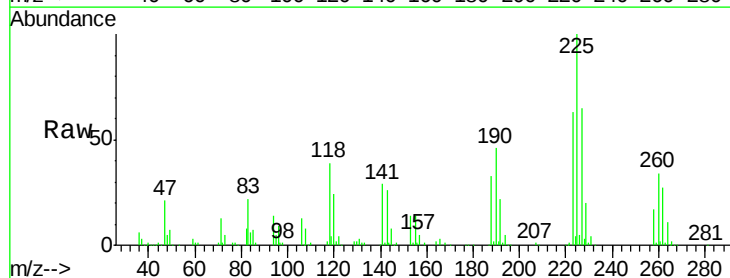
RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

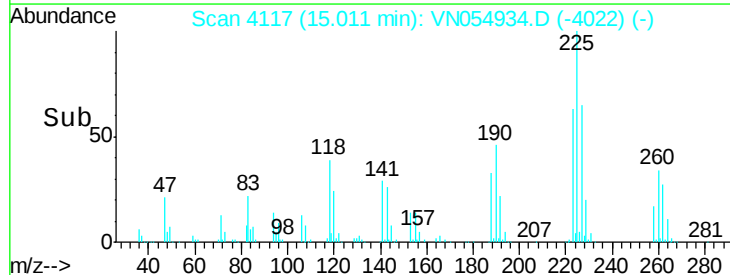
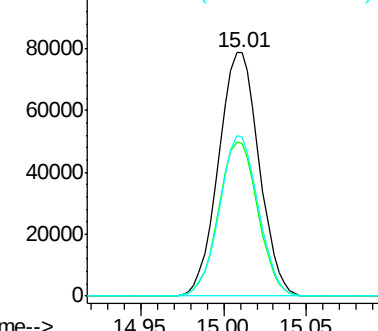
Lab File: VN054934.D

Acq: 3 Apr 2019 19:31

Tgt Ion:	225	Resp:	133740
Ion Ratio	Lower	Upper	
225	100		
223	61.7	31.1	93.5
227	63.3	31.9	95.9



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 48.010 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054934.D

Acq: 3 Apr 2019 19:31

Instrument :

MSVOA_N

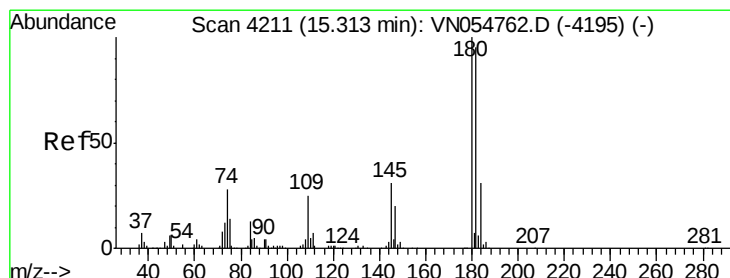
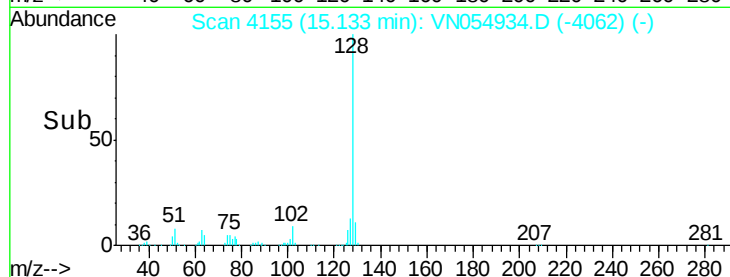
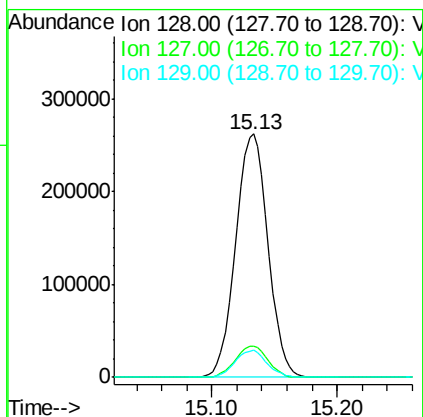
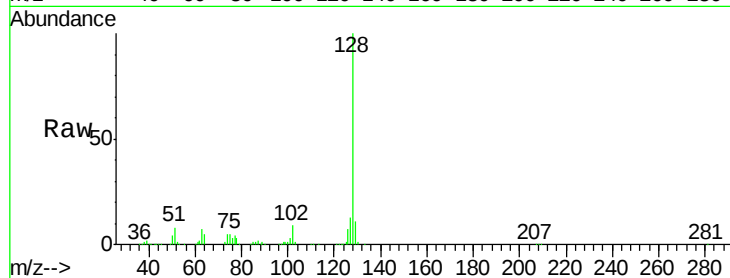
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	468426
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.1	15.1
129	11.0	8.7	13.1

Manual Integrations
APPROVED

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4/4/2019 9:30:45 AM



#96

1,2,3-Trichlorobenzene

Concen: 48.309 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054934.D

Acq: 3 Apr 2019 19:31

Tgt Ion:	180	Resp:	212242
Ion Ratio	Lower	Upper	
180	100		
182	96.4	47.5	142.6
145	31.4	14.8	44.3

