

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020119\
 Data File : VN053584.D
 Acq On : 1 Feb 2019 18:42
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/4/2019 9:49:39 AM

Quant Time: Feb 01 23:49:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	671816	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1029014	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	915030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	441057	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	332371	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
35) Dibromofluoromethane	7.59	113	322720	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
50) Toluene-d8	10.09	98	1189269	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
62) 4-Bromofluorobenzene	12.40	95	400602	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	372470	49.184	ug/l	100
3) Chloromethane	2.06	50	390228	48.926	ug/l	100
4) Vinyl Chloride	2.19	62	385960	49.850	ug/l	99
5) Bromomethane	2.57	94	246586	48.710	ug/l	98
6) Chloroethane	2.71	64	219606	49.635	ug/l	99
7) Trichlorofluoromethane	3.02	101	508204	48.403	ug/l	99
8) Diethyl Ether	3.41	74	192182	50.120	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	314121	48.376	ug/l	98
10) Methyl Iodide	3.96	142	487707	47.853	ug/l	99
11) Tert butyl alcohol	4.79	59	101393	254.203	ug/l	100
12) 1,1-Dichloroethene	3.74	96	304669	48.973	ug/l	99
13) Acrolein	3.61	56	48229	222.084	ug/l	98
14) Allyl chloride	4.33	41	496123	50.086	ug/l	99
15) Acrylonitrile	4.99	53	555976	258.199	ug/l	99
16) Acetone	3.82	43	415853	240.554	ug/l	99
17) Carbon Disulfide	4.06	76	905910	46.765	ug/l	100
18) Methyl Acetate	4.32	43	251772	49.177	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	824109	52.255	ug/l	98
20) Methylene Chloride	4.55	84	350074	48.268	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	326799	48.690	ug/l	98
22) Diisopropyl ether	5.95	45	958277	52.211	ug/l	98
23) Vinyl Acetate	5.90	43	3393254	267.248	ug/l	99
24) 1,1-Dichloroethane	5.85	63	608372	49.696	ug/l	99
25) 2-Butanone	6.84	43	618803	250.980	ug/l	100
26) 2,2-Dichloropropane	6.82	77	444023	47.514	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	376436	50.438	ug/l	98
28) Bromochloromethane	7.19	49	253939	47.800	ug/l	98
29) Tetrahydrofuran	7.21	42	412733	260.695	ug/l	99
30) Chloroform	7.37	83	600032	49.445	ug/l	100
31) Cyclohexane	7.65	56	548881	48.151	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	506397	50.142	ug/l	99
36) 1,1-Dichloropropene	7.79	75	455760	49.134	ug/l	99
37) Ethyl Acetate	6.93	43	269849	52.088	ug/l	99
38) Carbon Tetrachloride	7.77	117	447322	47.870	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	532264	48.366	ug/l	99
40) Benzene	8.04	78	1391558	48.648	ug/l	100
41) Methacrylonitrile	7.17	41	155400	53.670	ug/l	94
42) 1,2-Dichloroethane	8.12	62	416808	49.075	ug/l	99
43) Isopropyl Acetate	8.16	43	478690	47.845	ug/l	99
44) Trichloroethene	8.83	130	374081	45.936	ug/l	99
45) 1,2-Dichloropropane	9.12	63	363379	49.667	ug/l	98
46) Dibromomethane	9.21	93	216563	49.103	ug/l	98
47) Bromodichloromethane	9.40	83	453386	49.442	ug/l	98
48) Methyl methacrylate	9.20	41	232285	48.638	ug/l	92
49) 1,4-Dioxane	9.20	88	63982	927.532	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1286843	261.743	ug/l	99
52) Toluene	10.16	92	850028	50.070	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	459622	50.055	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	542418	49.850	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	307768	50.310	ug/l	99
56) Ethyl methacrylate	10.43	69	381226	52.678	ug/l	99
57) 1,3-Dichloropropane	10.71	76	517664	49.514	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1047419	233.908	ug/l	99
59) 2-Hexanone	10.75	43	824049	246.896	ug/l	99
60) Dibromochloromethane	10.90	129	349627	50.682	ug/l	99
61) 1,2-Dibromoethane	11.00	107	296548	48.977	ug/l	99
64) Tetrachloroethene	10.63	164	368053	46.923	ug/l	99
65) Chlorobenzene	11.43	112	928869	47.791	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	336231	49.534	ug/l	99
67) Ethyl Benzene	11.51	91	1566876	49.076	ug/l	99
68) m/p-Xylenes	11.62	106	1217843	99.941	ug/l	99
69) o-Xylene	11.95	106	592107	50.296	ug/l	99
70) Styrene	11.96	104	972676	50.976	ug/l	100
71) Bromoform	12.13	173	236666	50.856	ug/l	100
73) Isopropylbenzene	12.25	105	1529963	49.345	ug/l	99
74) N-amyl acetate	12.07	43	383245	51.402	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	360746	48.615	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	264502m	46.690	ug/l	
77) Bromobenzene	12.53	156	405340	48.507	ug/l	99
78) n-propylbenzene	12.59	91	1772384	49.449	ug/l	100
79) 2-Chlorotoluene	12.68	91	1056117	49.665	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1311510	51.009	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	99082	49.180	ug/l	98
82) 4-Chlorotoluene	12.77	91	1063812	48.752	ug/l	99
83) tert-Butylbenzene	12.99	119	1149606	50.589	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1348873	51.493	ug/l	100
85) sec-Butylbenzene	13.17	105	1551457	50.171	ug/l	100
86) p-Isopropyltoluene	13.29	119	1373467	50.784	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	725235	48.279	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	717668	48.298	ug/l	99
89) n-Butylbenzene	13.62	91	1168792	49.929	ug/l	100
90) Hexachloroethane	13.87	117	222905	49.967	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	707698	49.211	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	53309	50.408	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	434334	52.660	ug/l	99
94) Hexachlorobutadiene	15.01	225	254226	49.494	ug/l	99
95) Naphthalene	15.13	128	938318	48.484	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	405530	52.990	ug/l	100

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

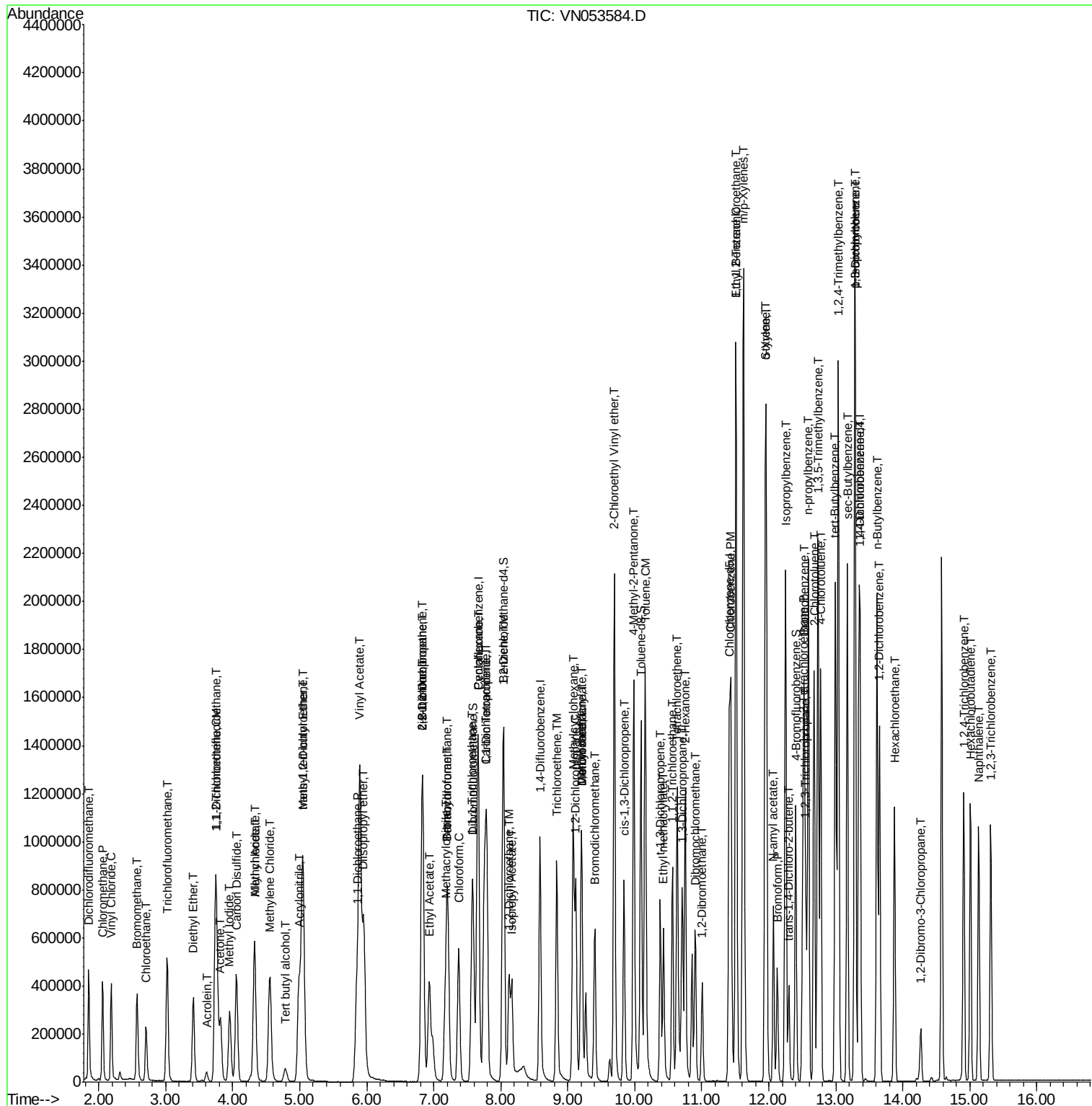
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020119\
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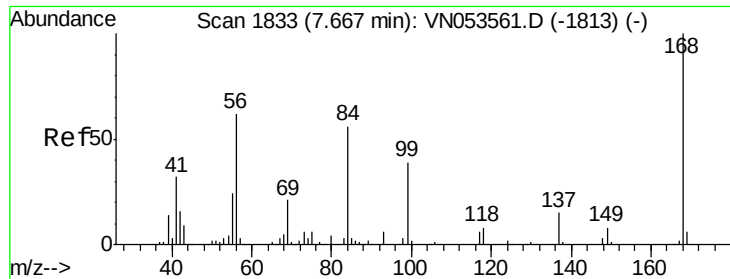
Instrument :
MSVOA_N
Client Sample ID :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:168 Resp: 671816

Ion Ratio Lower Upper

168 100

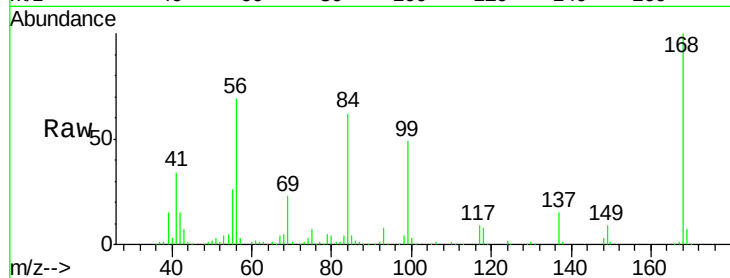
99 49.3 39.1 58.7

Manual Integrations

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2/4/2019 9:49:39 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

250000

200000

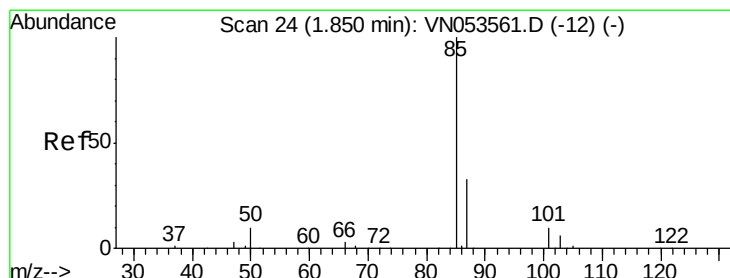
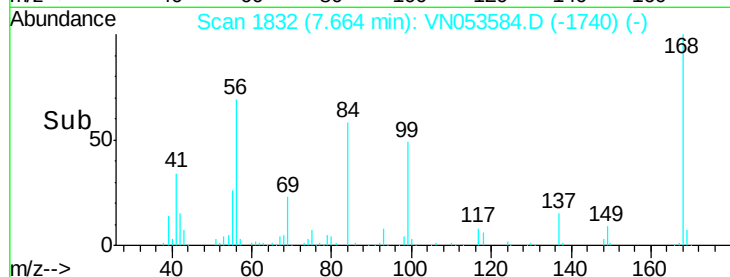
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.184 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053584.D

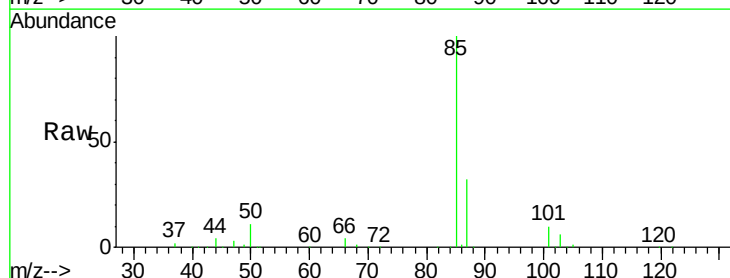
Acq: 1 Feb 2019 18:42

Tgt Ion: 85 Resp: 372470

Ion Ratio Lower Upper

85 100

87 32.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

300000

250000

200000

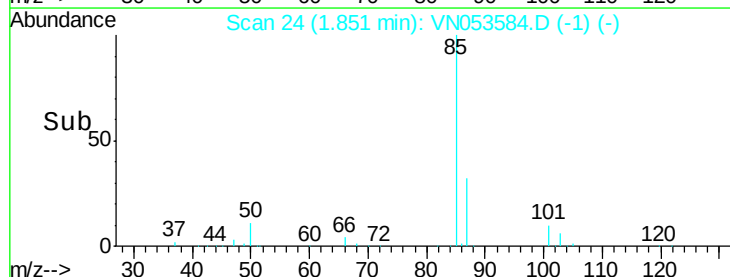
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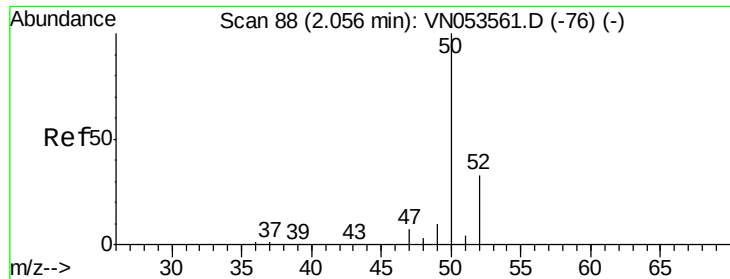
100000

50000

0

Time-->





#3

Chloromethane

Concen: 48.926 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 390228

Ion Ratio Lower Upper

50 100

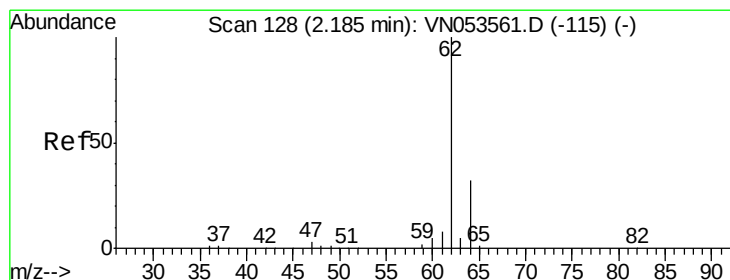
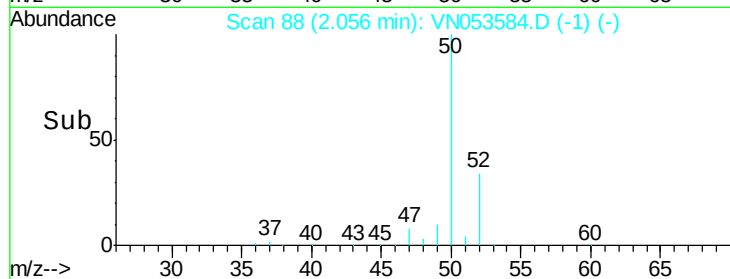
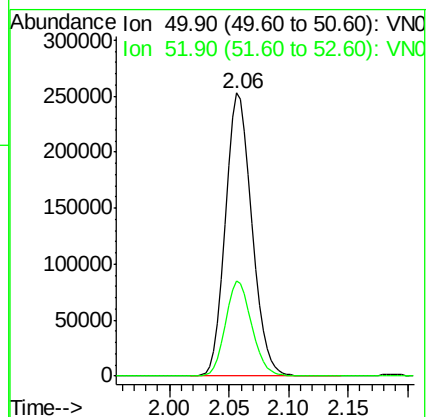
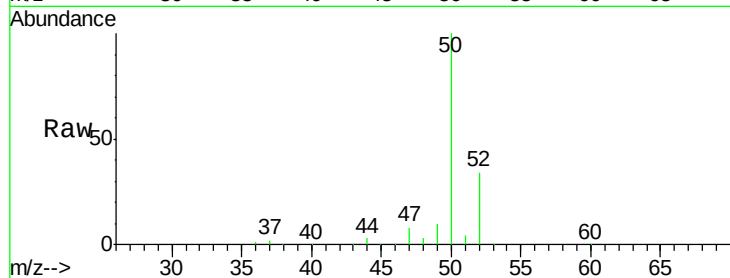
52 33.5 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.850 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053584.D

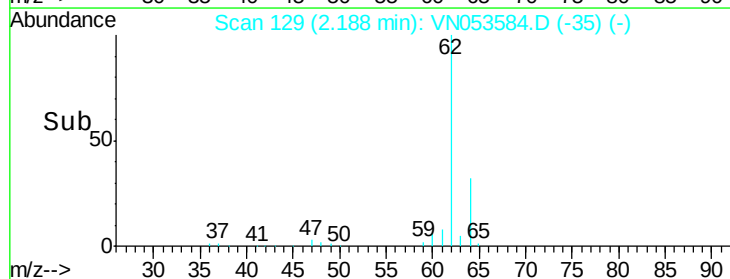
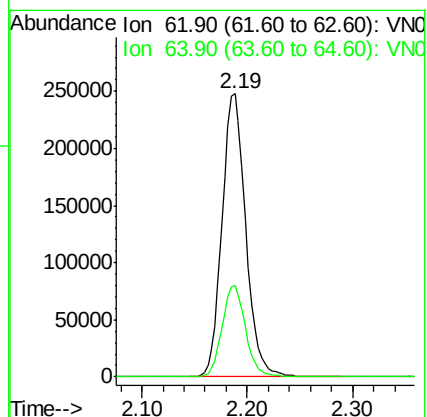
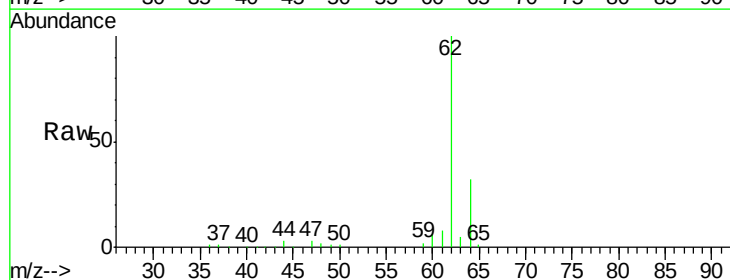
Acq: 1 Feb 2019 18:42

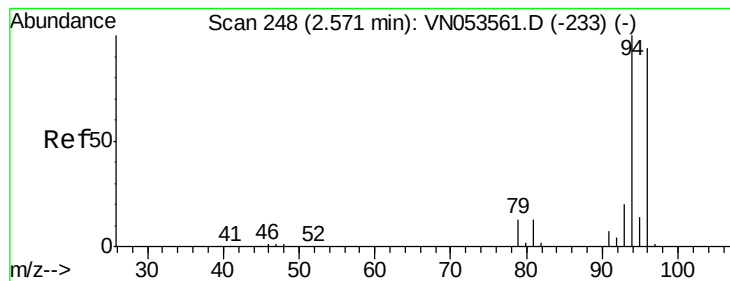
Tgt Ion: 62 Resp: 385960

Ion Ratio Lower Upper

62 100

64 32.1 25.4 38.2





#5

Bromomethane

Concen: 48.710 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 94 Resp: 246586

Ion Ratio Lower Upper

94 100

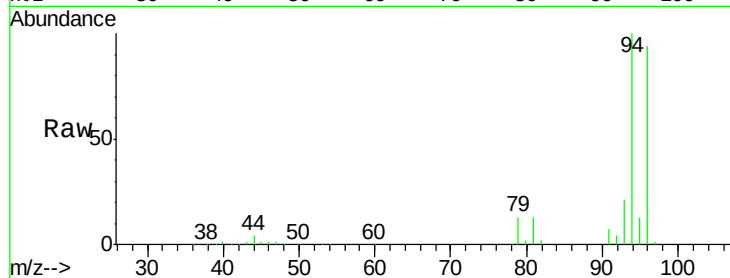
96 94.4 76.8 115.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

150000

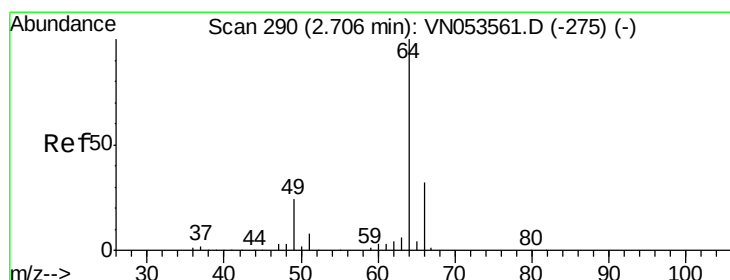
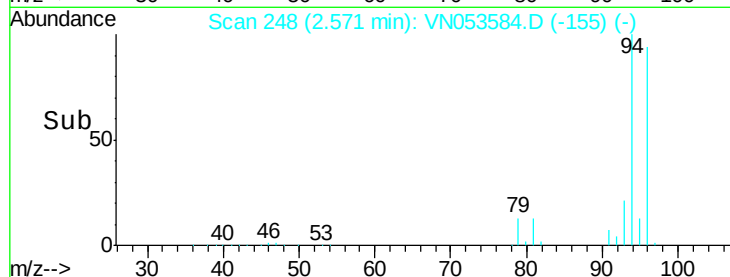
100000

50000

0

Time-->

2.50 2.60 2.70



#6

Chloroethane

Concen: 49.635 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN053584.D

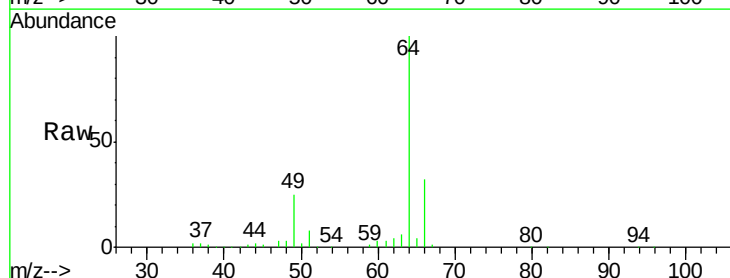
Acq: 1 Feb 2019 18:42

Tgt Ion: 64 Resp: 219606

Ion Ratio Lower Upper

64 100

66 32.2 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

120000

100000

80000

60000

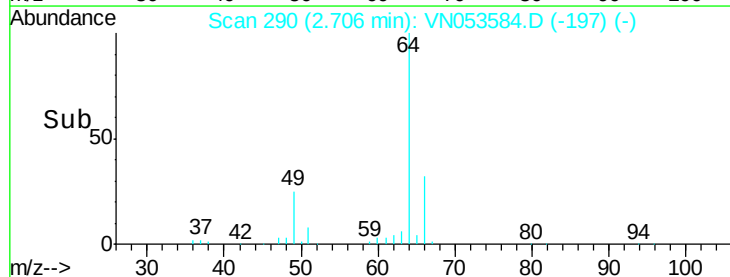
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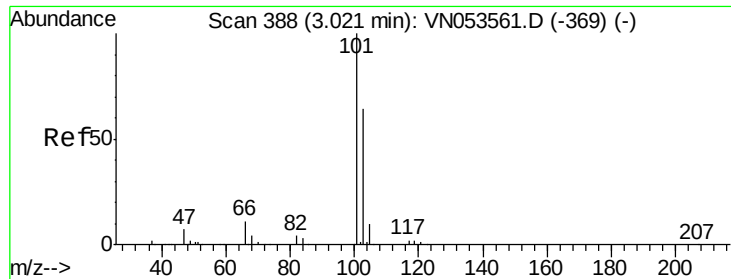
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Time-->

2.60 2.70 2.80





#7

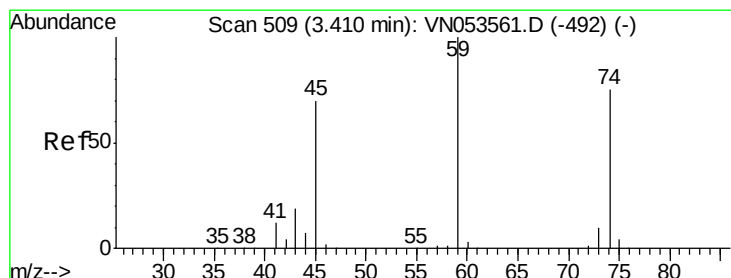
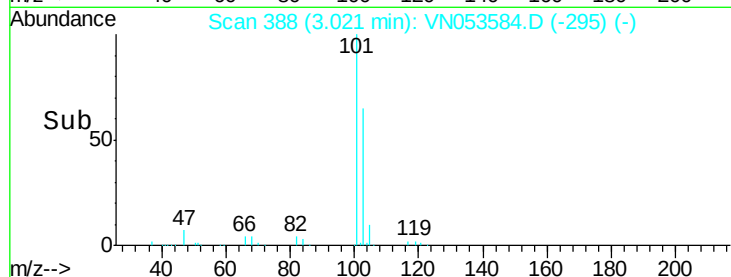
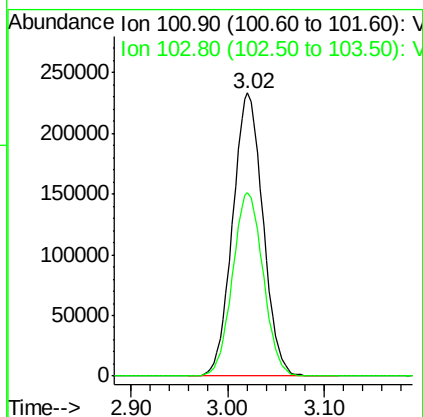
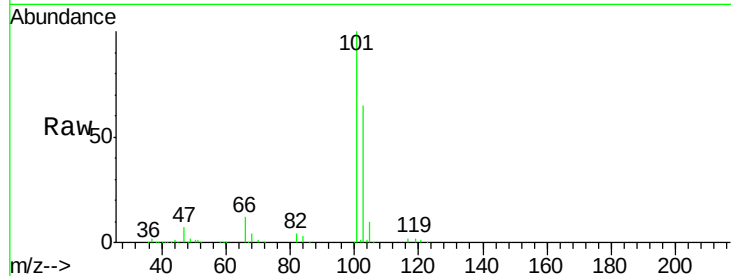
Trichlorofluoromethane
Concen: 48.403 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 101 Resp: 508204
Ion Ratio Lower Upper
101 100
103 65.0 51.6 77.4

Manual Integrations
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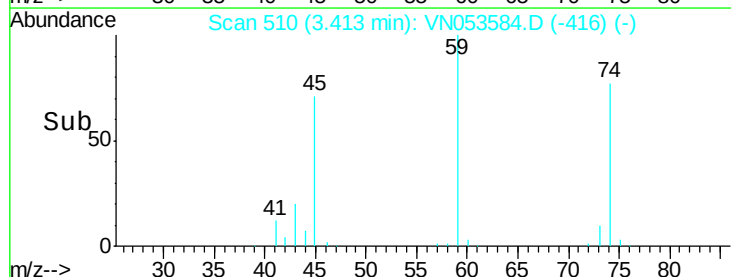
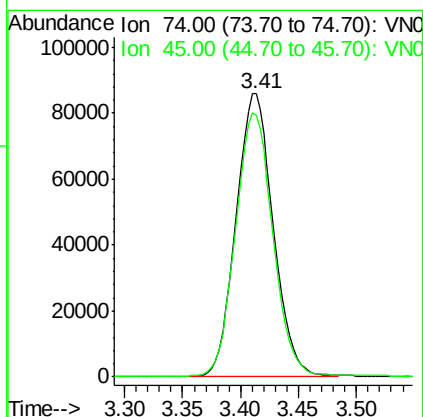
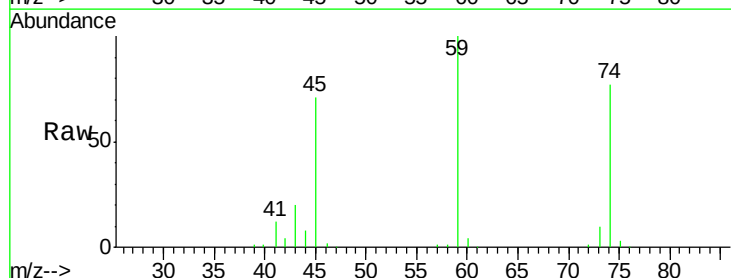
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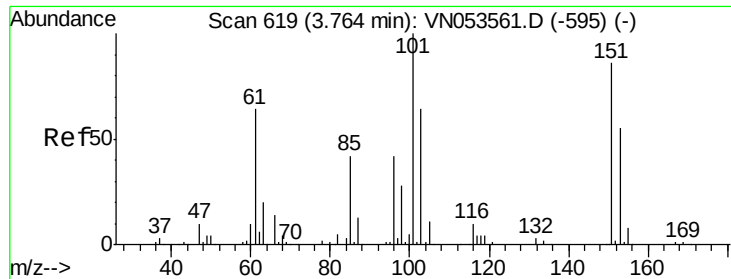


#8

Diethyl Ether
Concen: 50.120 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Tgt Ion: 74 Resp: 192182
Ion Ratio Lower Upper
74 100
45 92.7 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.376 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Instrument :

MSVOA_N

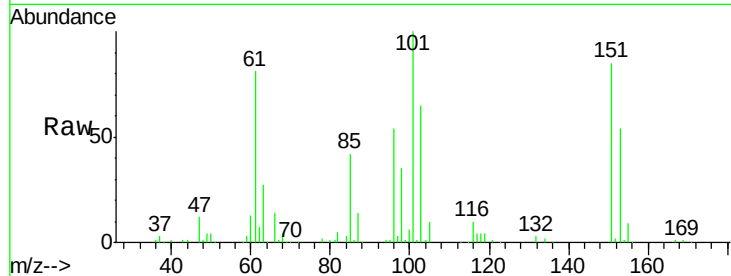
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	101	Resp:	314121
Ion Ratio	Lower	Upper	
101	100		
85	41.6	32.8	49.2
151	85.9	66.9	100.3

Manual Integrations
APPROVED

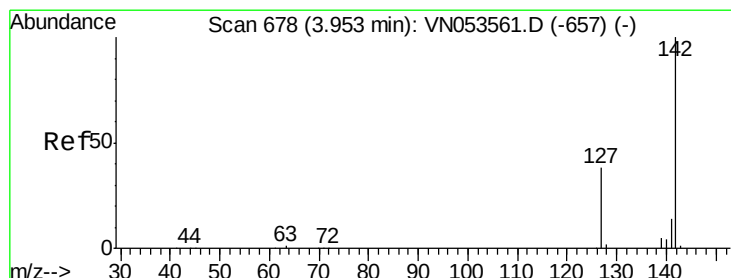
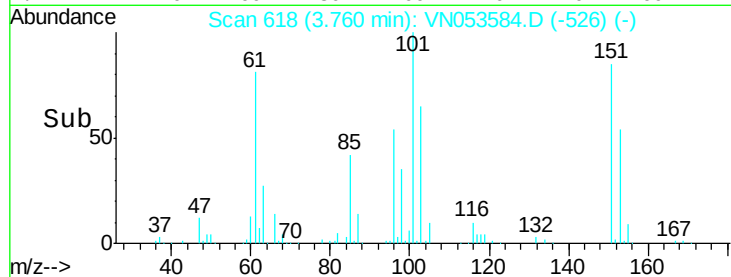
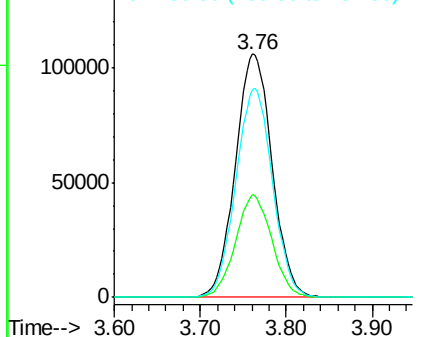
MMDadoda
2/4/2019 9:49:39 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN053584.D (-526) (-)

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.853 ug/l

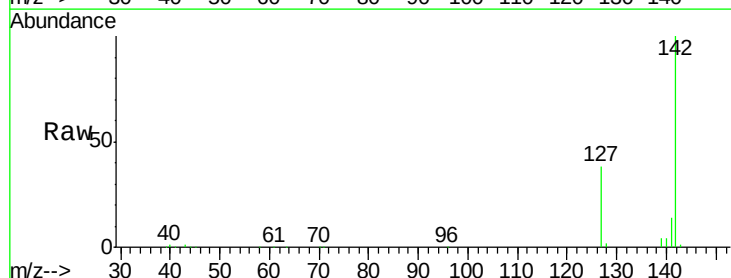
RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

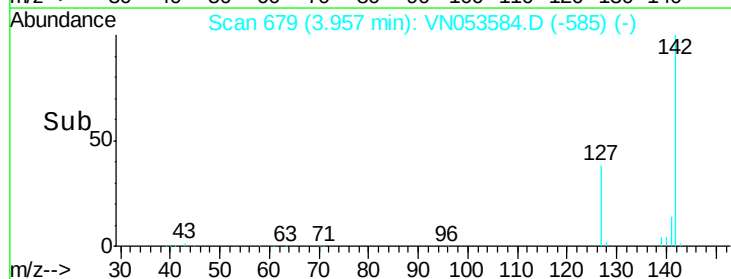
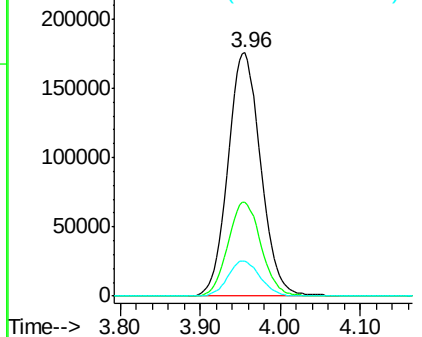
Tgt Ion:	142	Resp:	487707
Ion Ratio	Lower	Upper	
142	100		
127	39.2	31.0	46.4
141	14.2	11.1	16.7

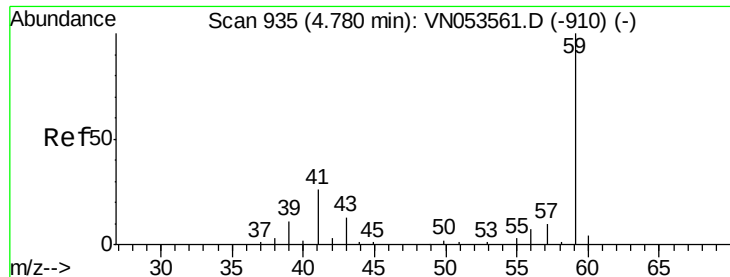


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





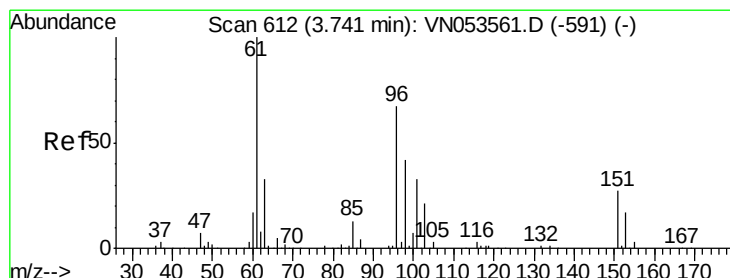
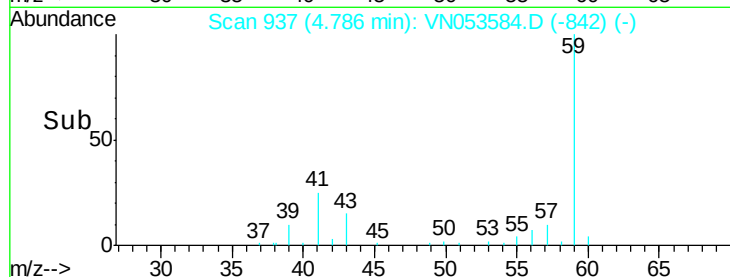
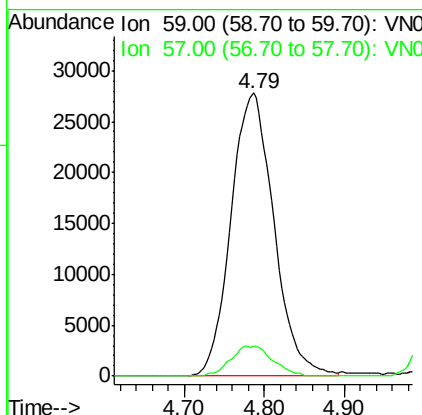
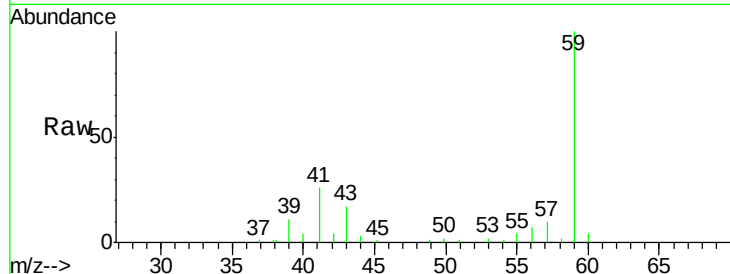
#11
Tert butyl alcohol
Concen: 254.203 ug/l
RT: 4.79 min Scan# 937
Delta R.T. 0.01 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 101393
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.4

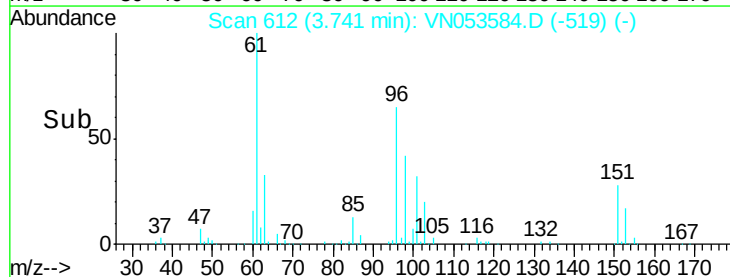
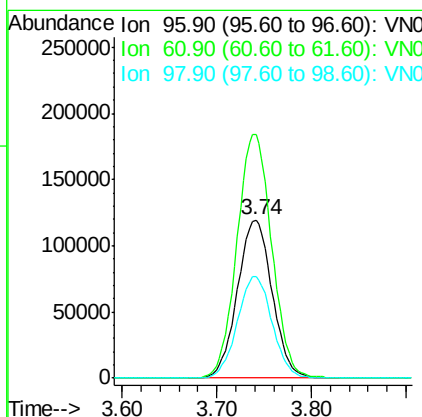
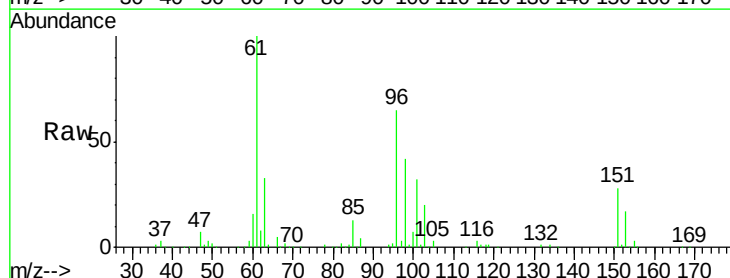
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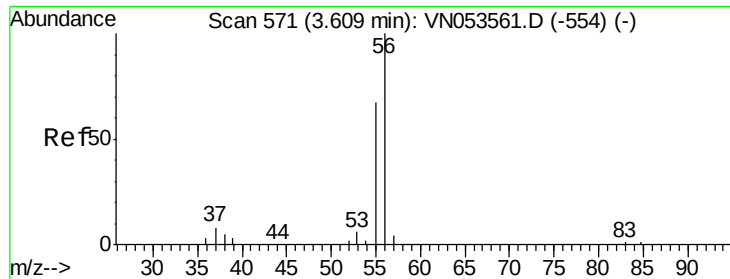
MMDadoda
2/4/2019 9:49:39 AM



#12
1,1-Dichloroethene
Concen: 48.973 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Tgt Ion: 96 Resp: 304669
Ion Ratio Lower Upper
96 100
61 153.9 122.9 184.3
98 64.4 49.4 74.0





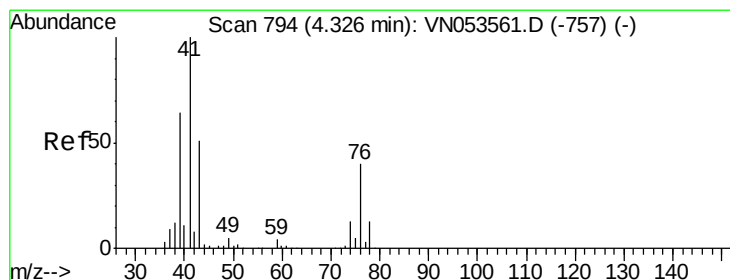
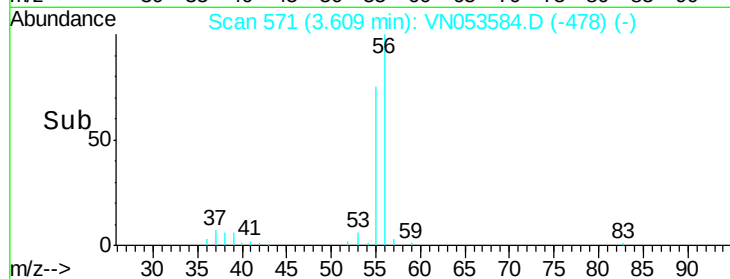
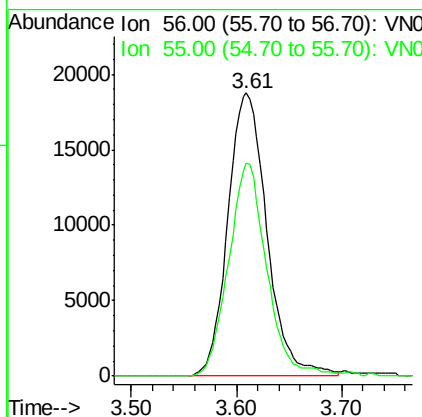
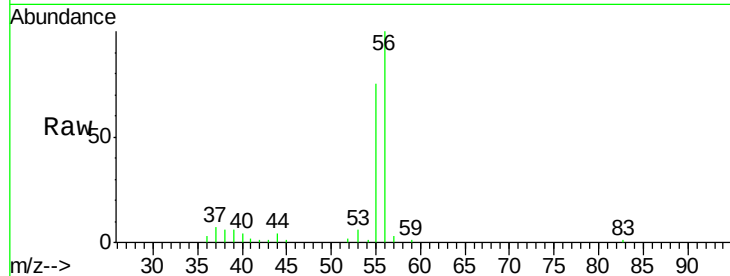
#13
Acrolein
Concen: 222.084 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 48229
Ion Ratio Lower Upper
56 100
55 73.1 57.4 86.0

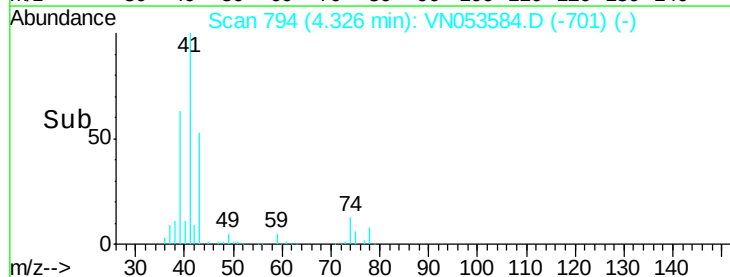
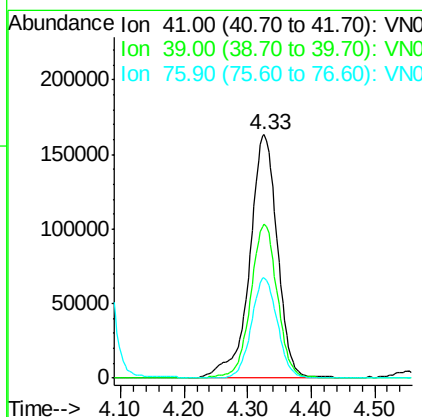
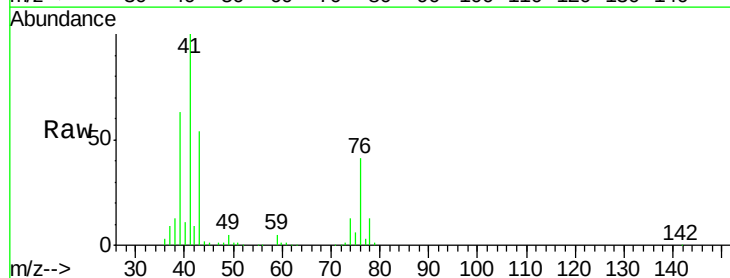
Manual Integrations
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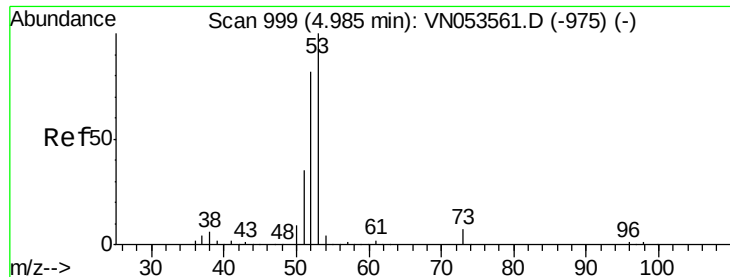
MMDadoda
2/4/2019 9:49:39 AM



#14
Allyl chloride
Concen: 50.086 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Tgt Ion: 41 Resp: 496123
Ion Ratio Lower Upper
41 100
39 60.8 48.9 73.3
76 37.8 29.4 44.2





#15

Acrylonitrile

Concen: 258.199 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Instrument :

MSVOA_N

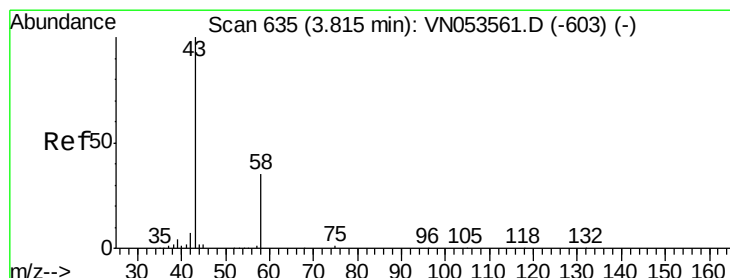
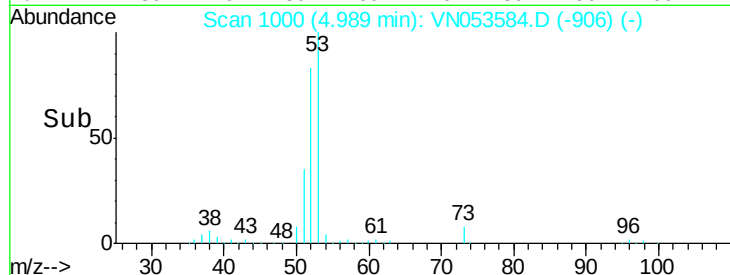
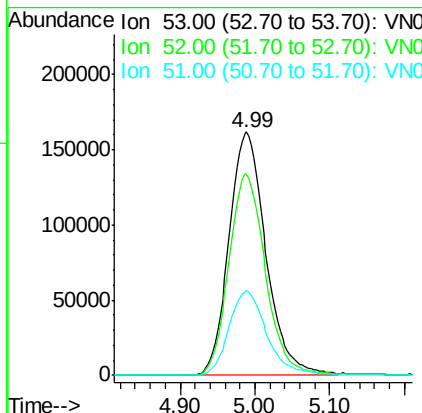
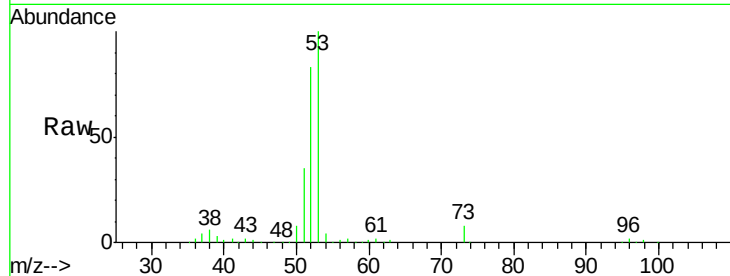
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	53	Resp:	555976
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.0	99.0
51	35.6	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 240.554 ug/l

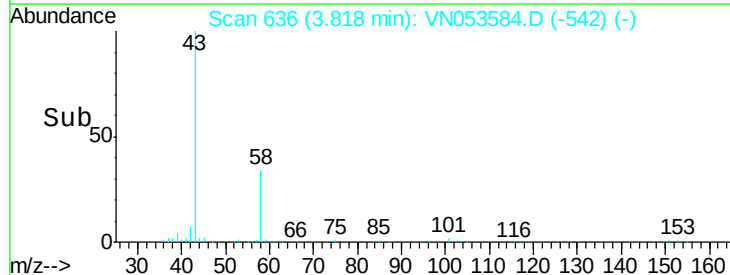
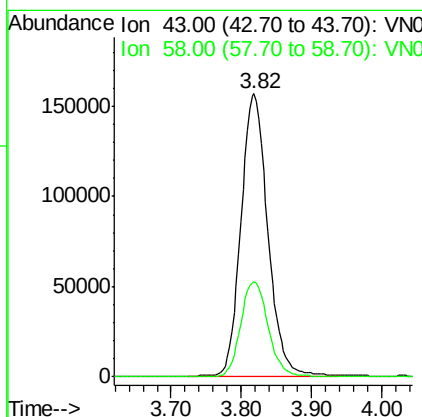
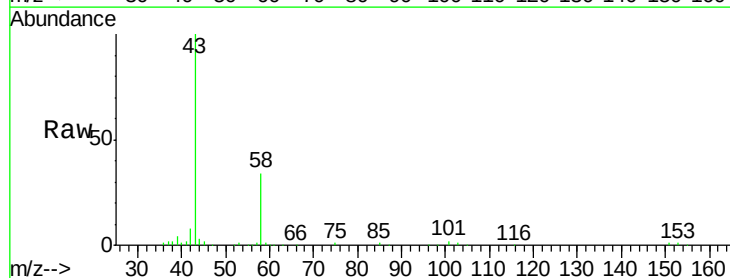
RT: 3.82 min Scan# 636

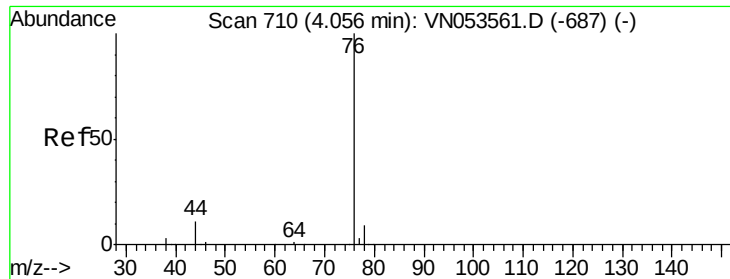
Delta R.T. 0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Tgt Ion:	43	Resp:	415853
Ion	Ratio	Lower	Upper
43	100		
58	33.5	27.1	40.7





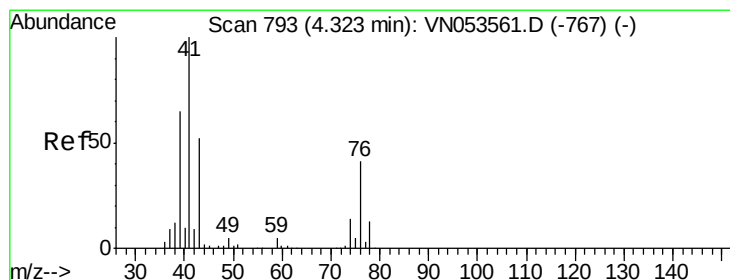
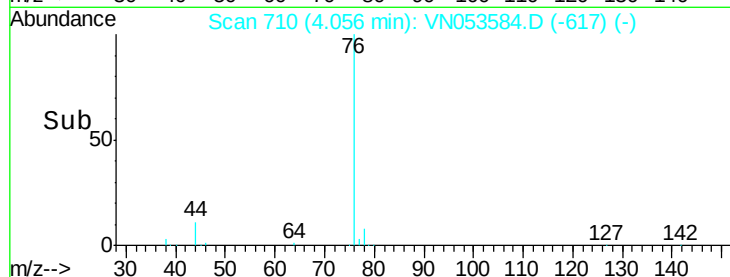
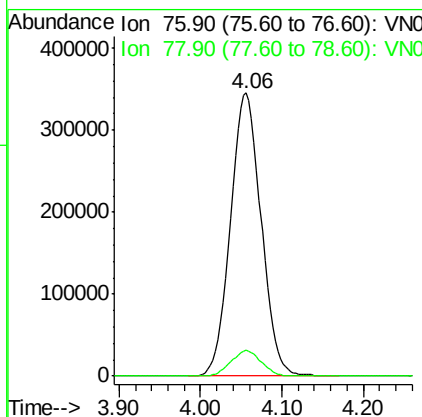
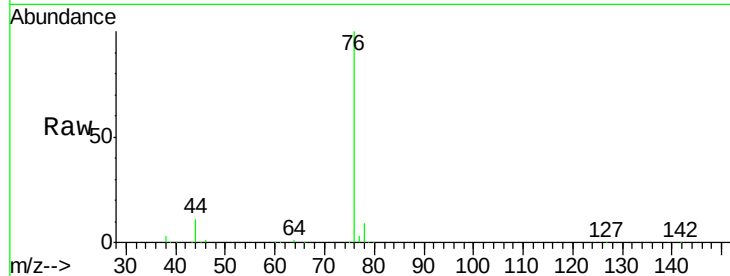
#17
Carbon Disulfide
Concen: 46.765 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

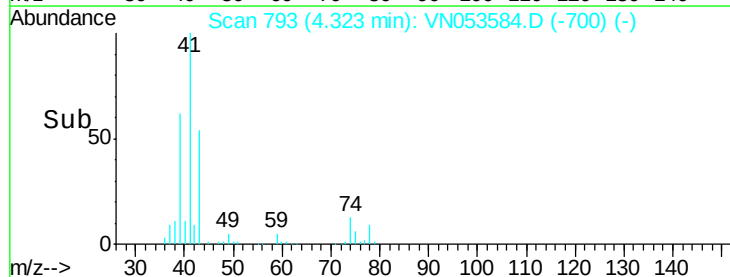
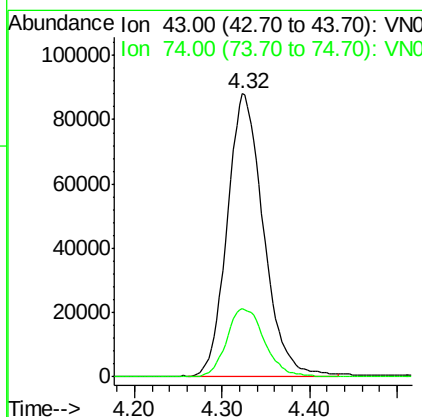
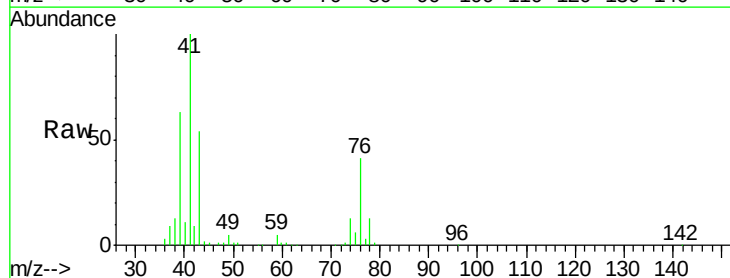
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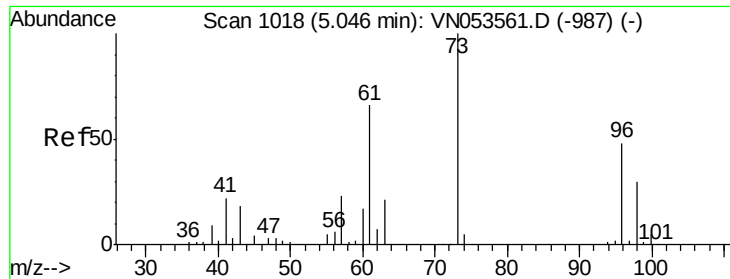
MMDadoda
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#18
Methyl Acetate
Concen: 49.177 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.3	19.4	29.2





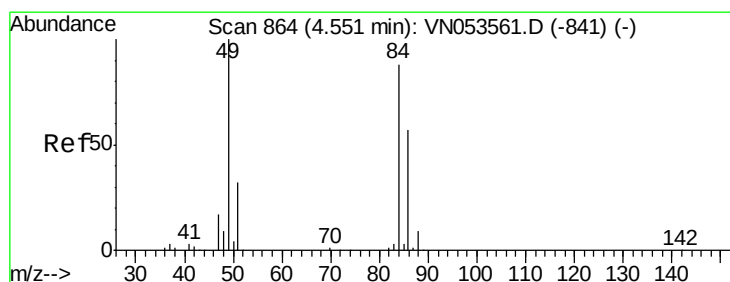
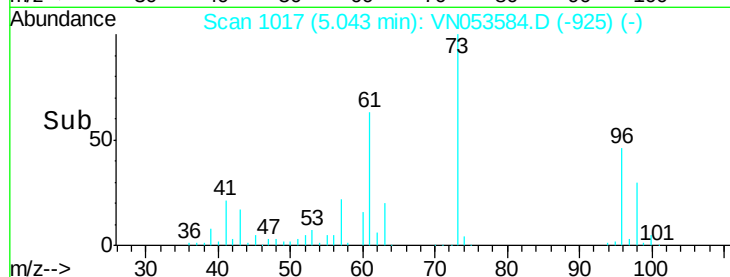
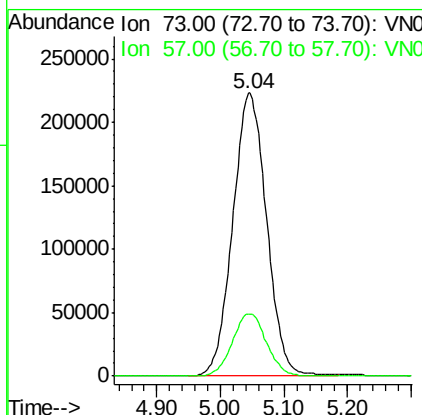
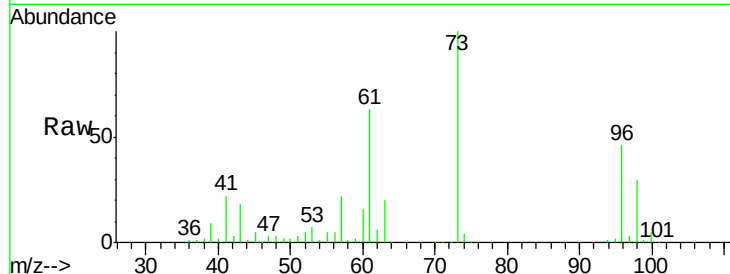
#19
Methyl tert-butyl Ether
Concen: 52.255 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 824109
Ion Ratio Lower Upper
73 100
57 22.0 18.3 27.5

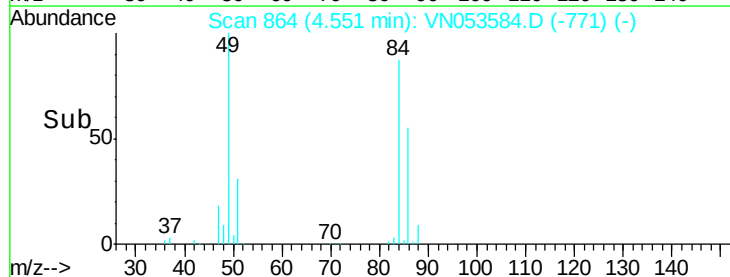
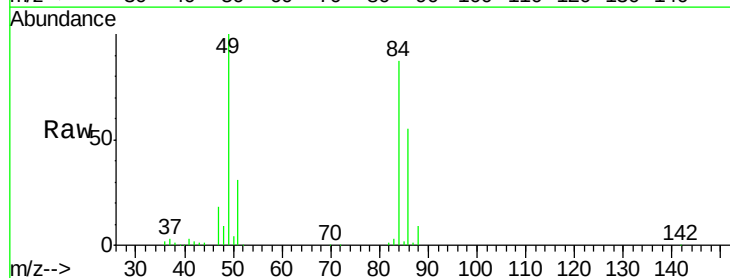
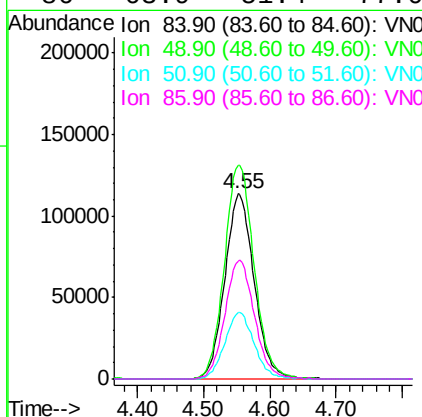
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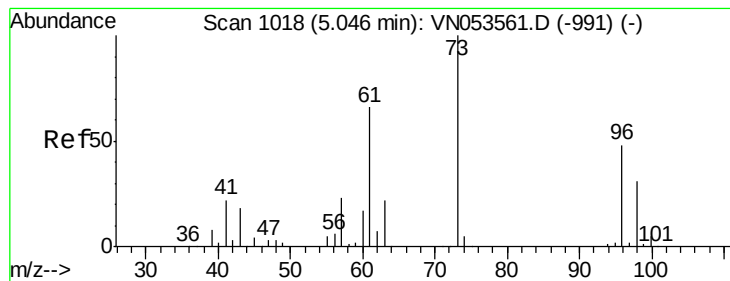
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#20
Methylene Chloride
Concen: 48.268 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Tgt Ion: 84 Resp: 350074
Ion Ratio Lower Upper
84 100
49 115.4 94.3 141.5
51 35.9 29.4 44.2
86 63.9 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 48.690 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 96 Resp: 326799

Ion Ratio Lower Upper

96 100

61 135.3 110.1 165.1

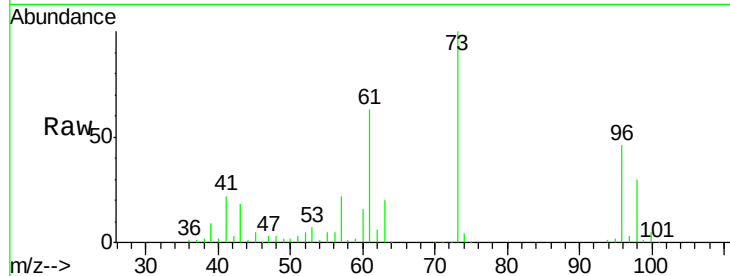
98 64.4 50.0 75.0

Manual Integrations

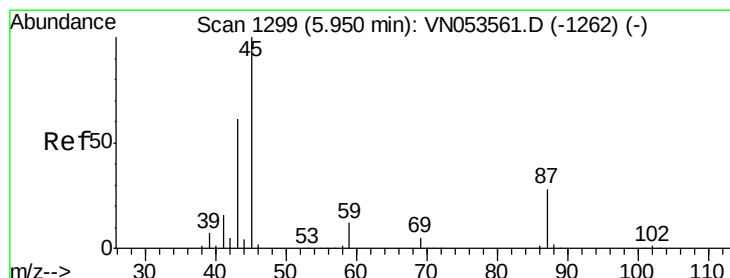
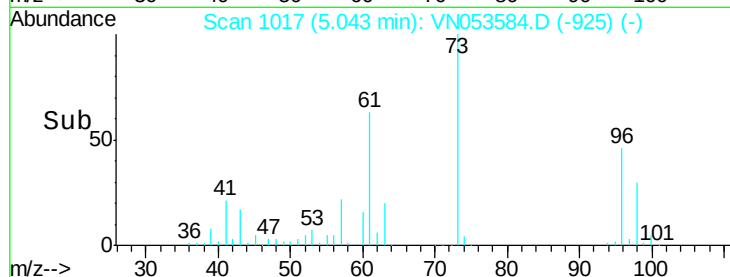
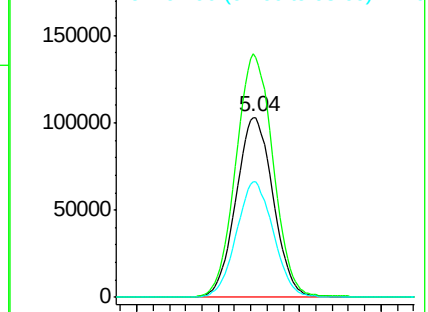
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Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 52.211 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Tgt Ion: 45 Resp: 958277

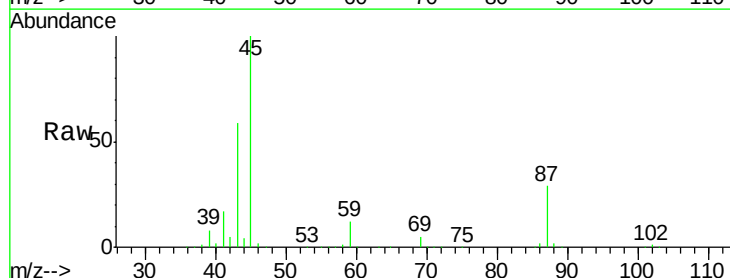
Ion Ratio Lower Upper

45 100

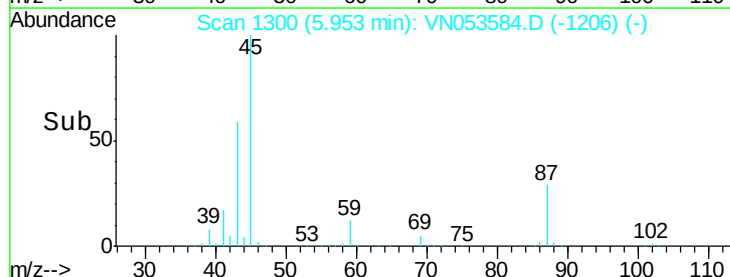
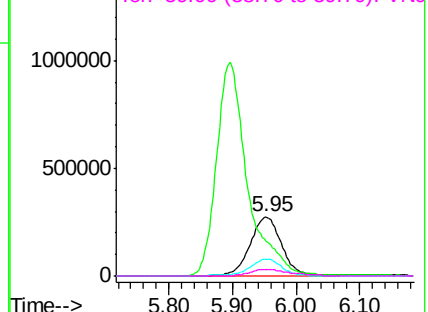
43 57.8 44.2 66.4

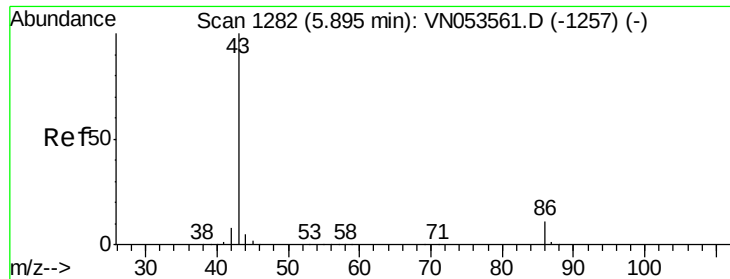
87 28.3 22.7 34.1

59 11.4 9.4 14.2



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: 267.248 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 3393254

Ion Ratio Lower Upper

43 100

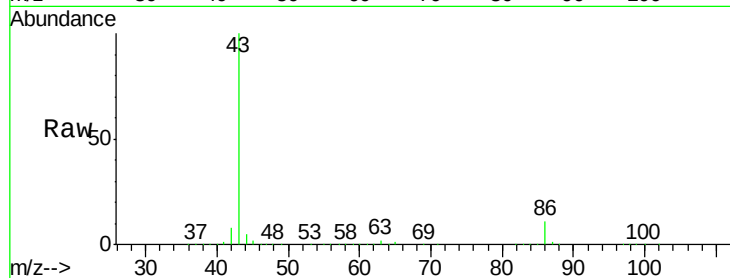
86 10.9 8.4 12.6

Manual Integrations

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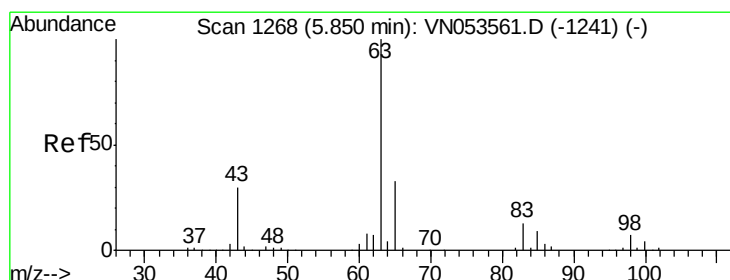
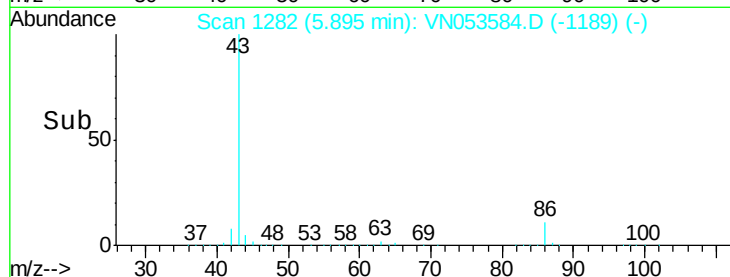
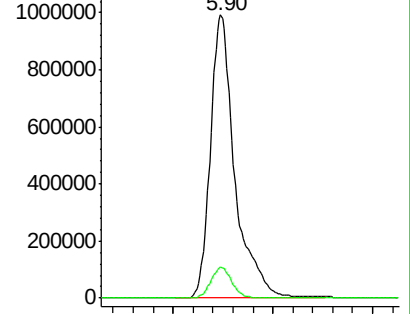
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 49.696 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

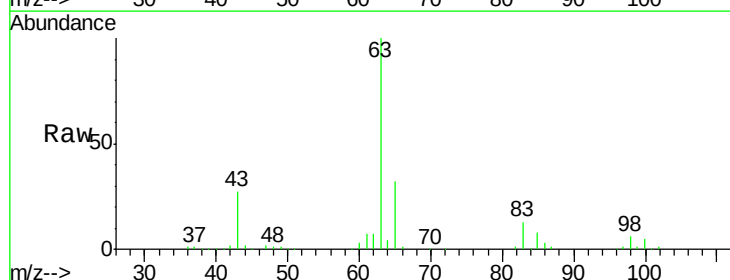
Tgt Ion: 63 Resp: 608372

Ion Ratio Lower Upper

63 100

98 6.3 3.3 9.9

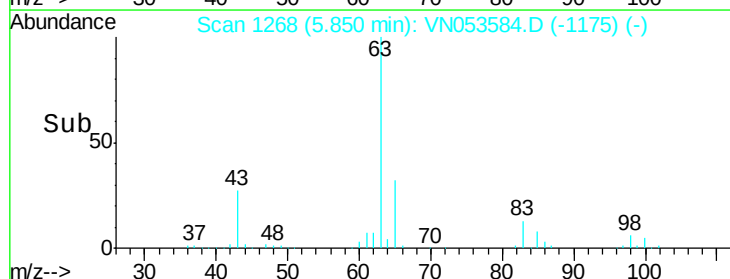
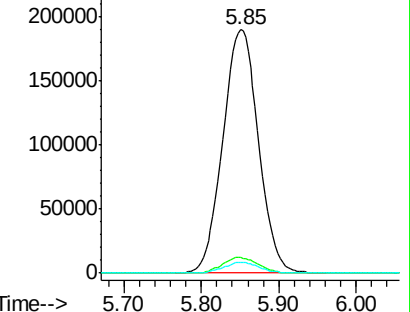
100 4.6 2.1 6.5

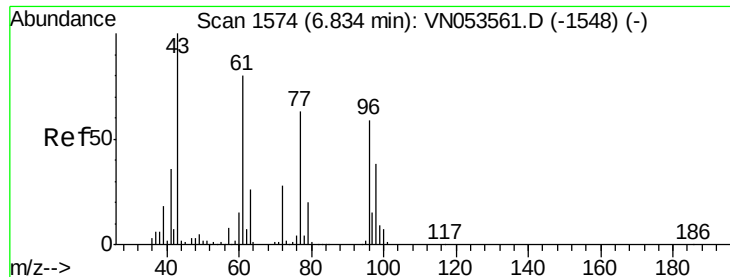


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 250.980 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 618803

Ion Ratio Lower Upper

43 100

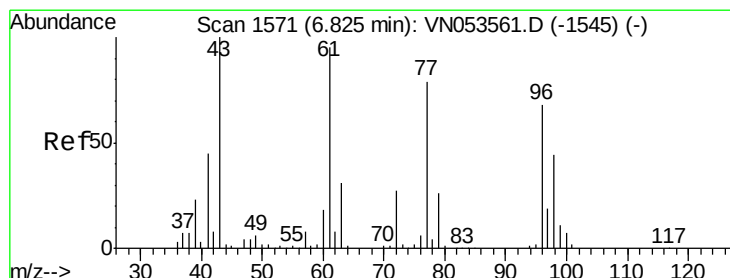
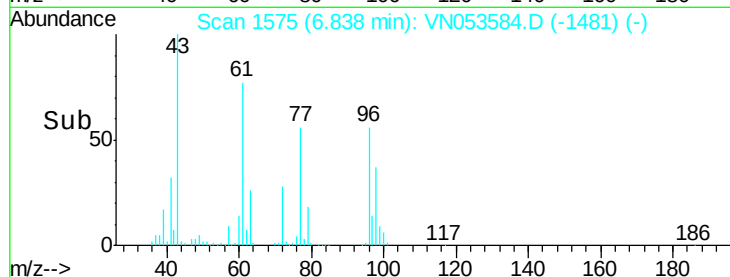
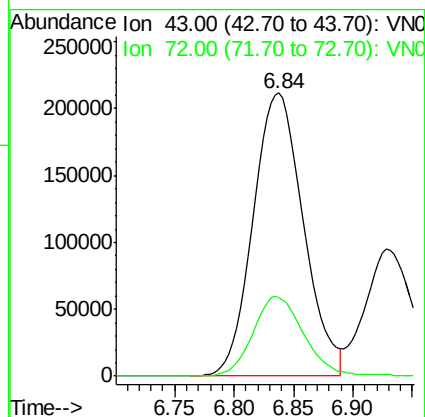
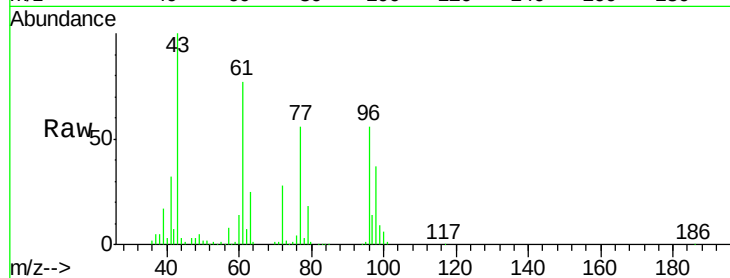
72 27.7 22.0 33.0

Manual Integrations

APPROVED

MMDadoda

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#26

2,2-Dichloropropane

Concen: 47.514 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053584.D

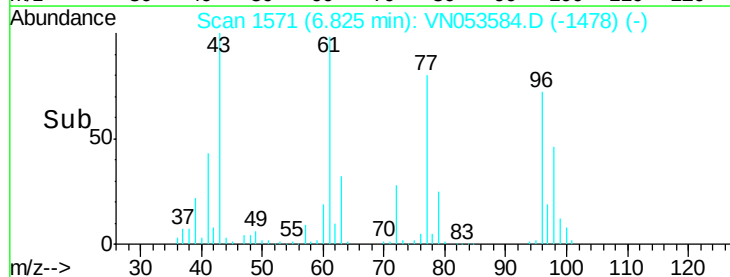
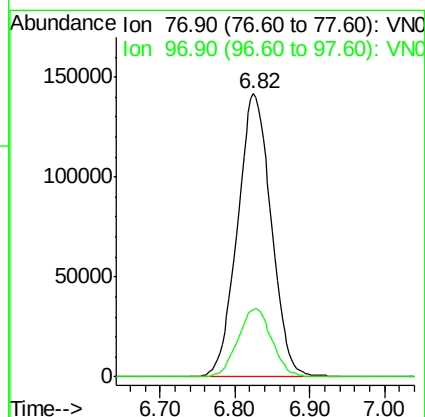
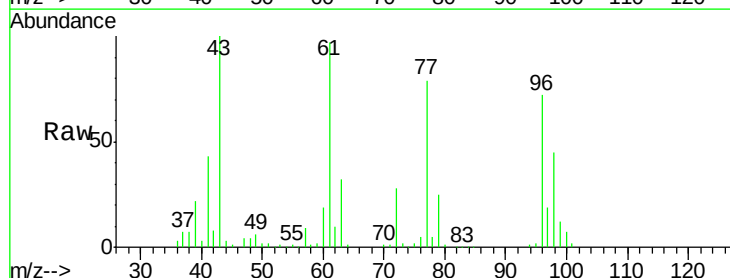
Acq: 1 Feb 2019 18:42

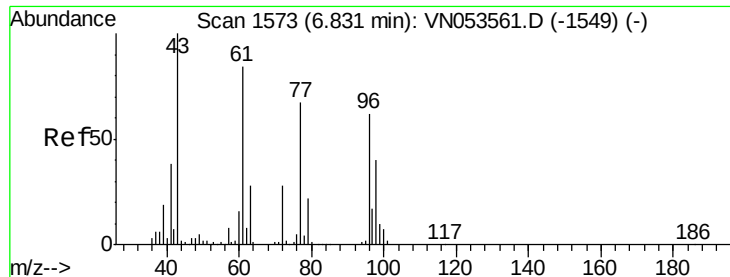
Tgt Ion: 77 Resp: 444023

Ion Ratio Lower Upper

77 100

97 24.3 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 50.438 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Instrument :

MSVOA_N

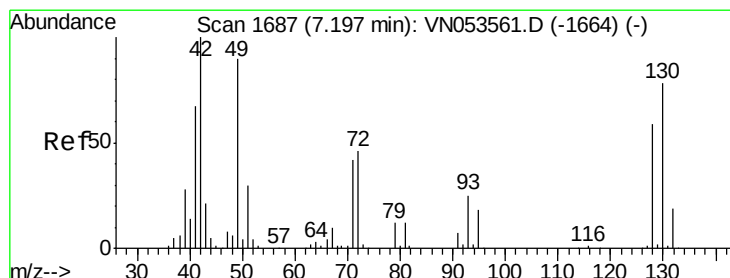
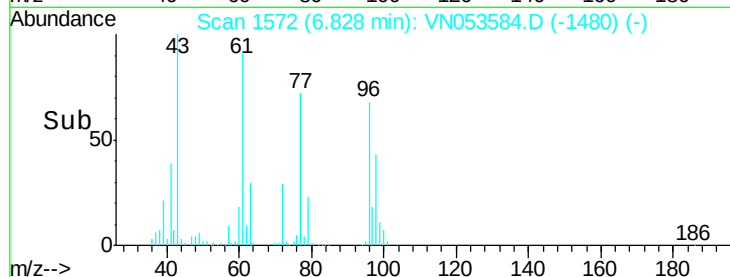
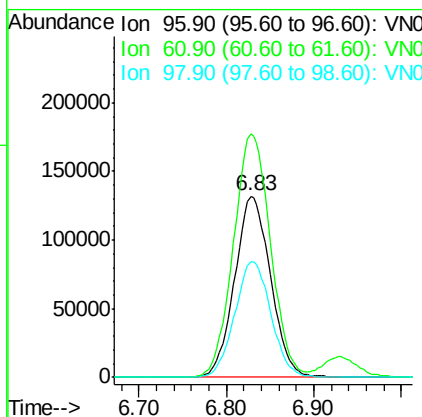
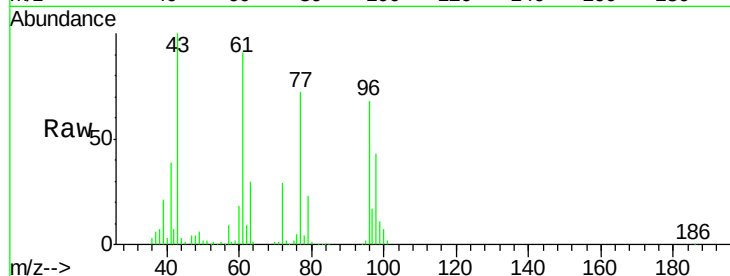
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	96	Resp:	376436
Ion	Ratio	Lower	Upper
96	100		
61	138.3	0.0	283.8
98	64.2	0.0	129.2

Manual Integrations
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#28

Bromochloromethane

Concen: 47.800 ug/l

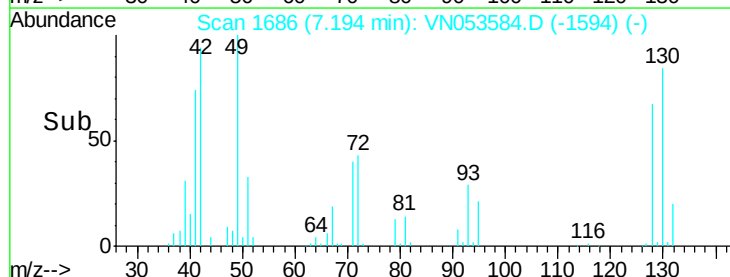
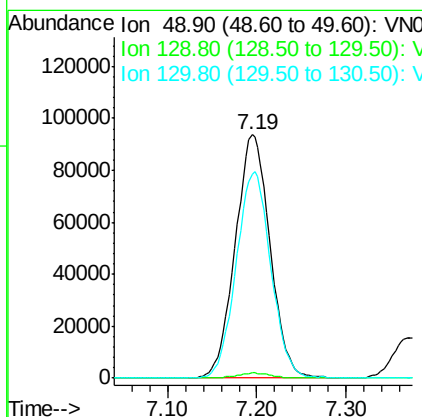
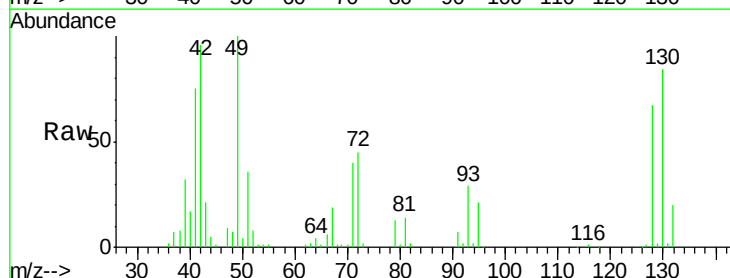
RT: 7.19 min Scan# 1686

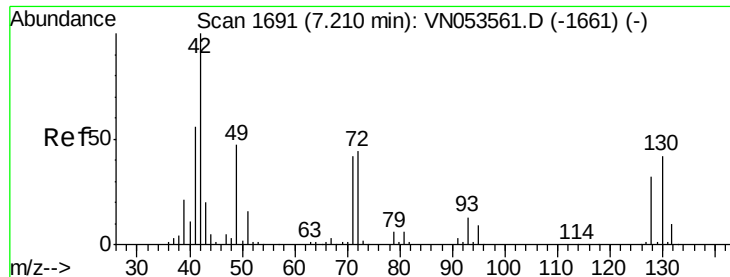
Delta R.T. -0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Tgt Ion:	49	Resp:	253939
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	84.3	66.3	99.5





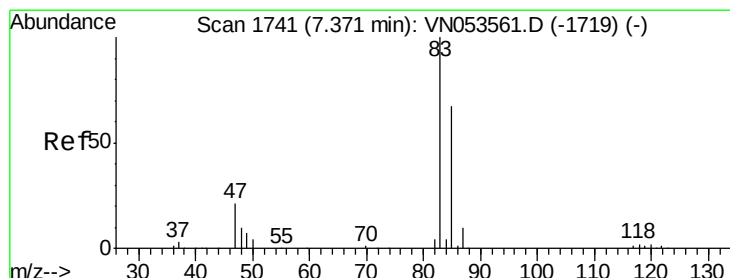
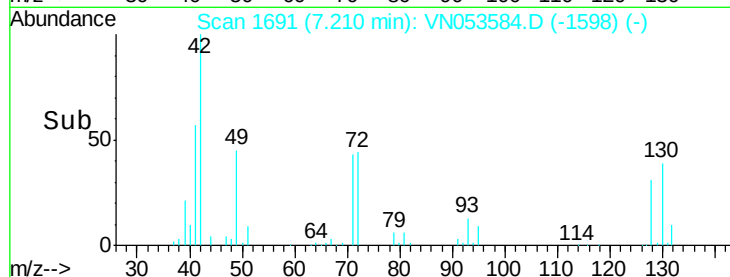
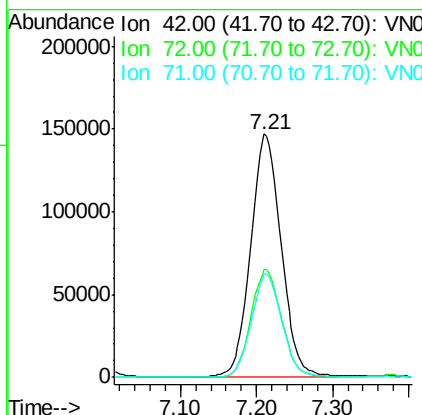
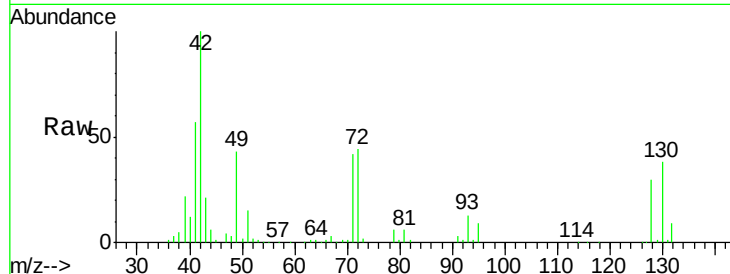
#29
Tetrahydrofuran
Concen: 260.695 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	44.4	35.2	52.8
71	42.3	33.0	49.4

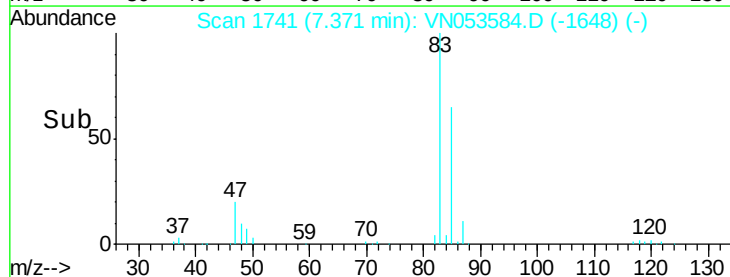
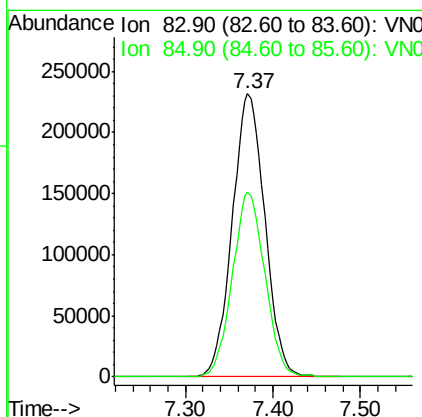
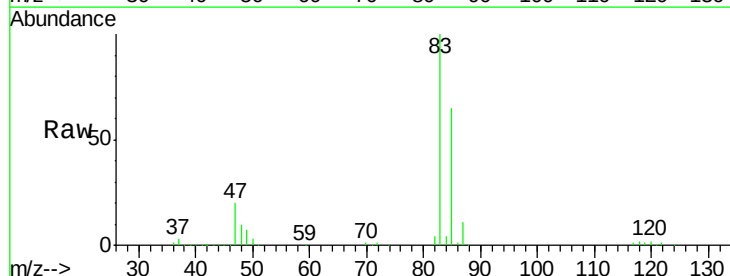
Manual Integrations
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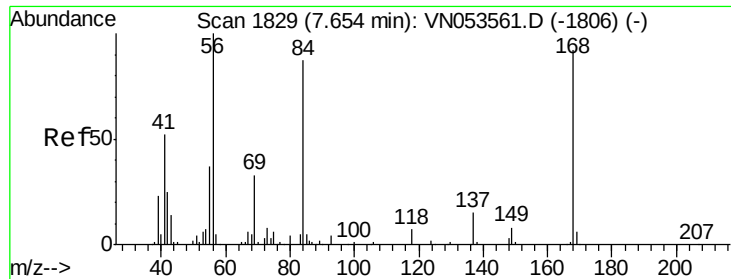
MMDadoda
2/4/2019 9:49:39 AM



#30
Chloroform
Concen: 49.445 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.2	78.2





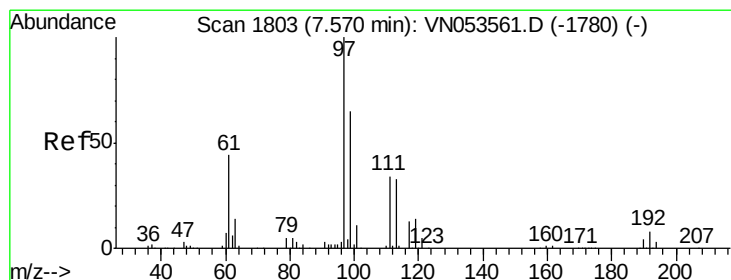
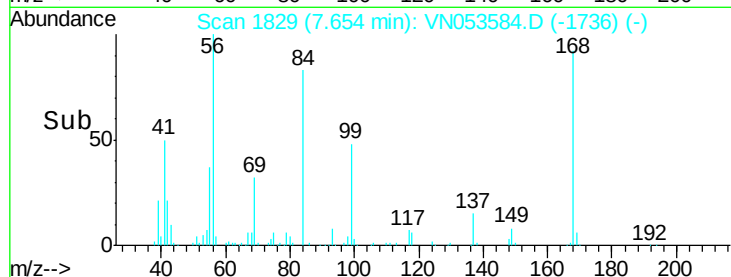
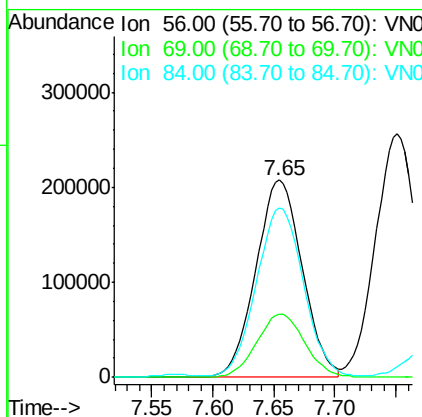
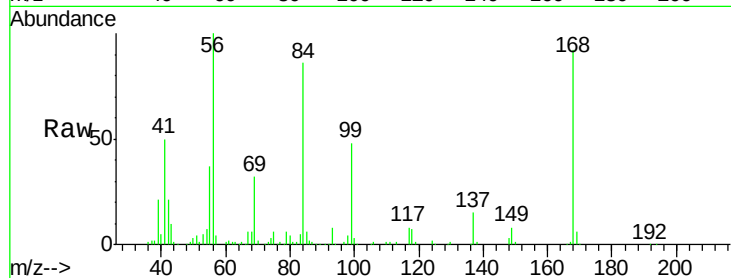
#31
Cyclohexane
Concen: 48.151 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.3	26.4	39.6
84	85.0	67.9	101.9

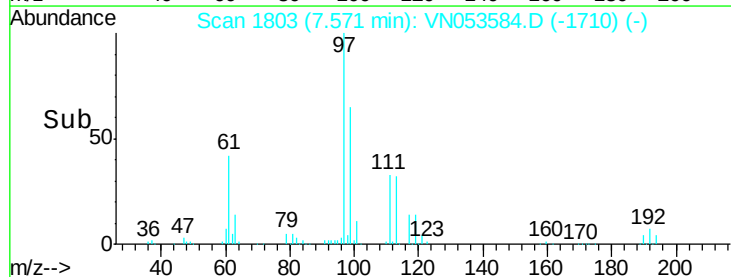
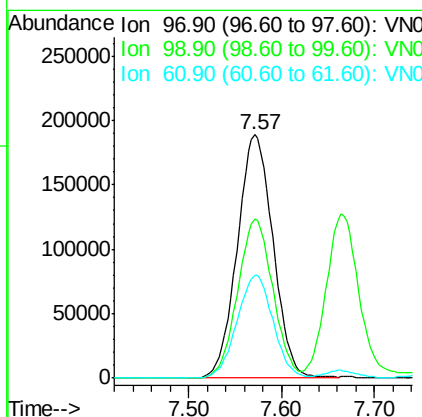
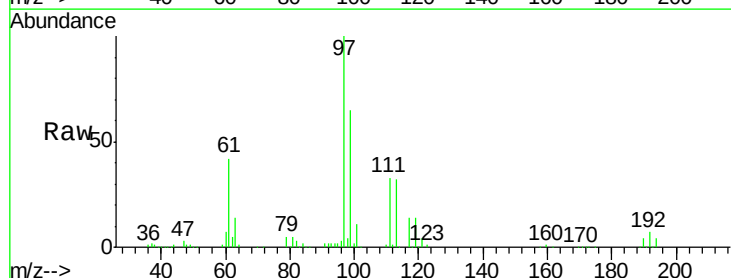
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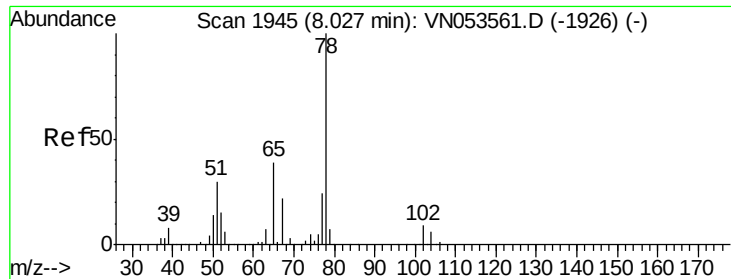
MMDadoda
2/4/2019 9:49:39 AM



#32
1,1,1-Trichloroethane
Concen: 50.142 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.0	78.0
61	42.3	34.4	51.6





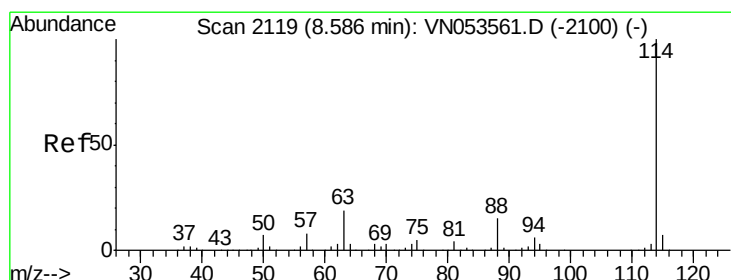
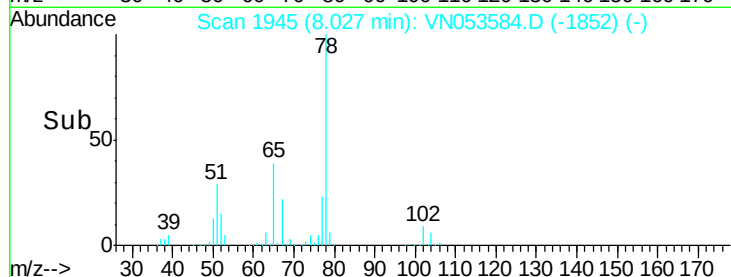
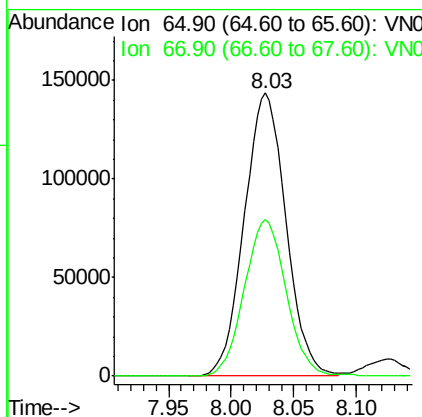
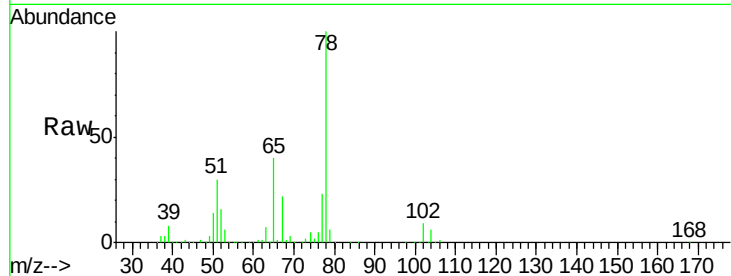
#33
 1,2-Dichloroethane-d4
 Concen: 49.316 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053584.D
 Acq: 1 Feb 2019 18:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	332371		
67	55.6	0.0	111.2	

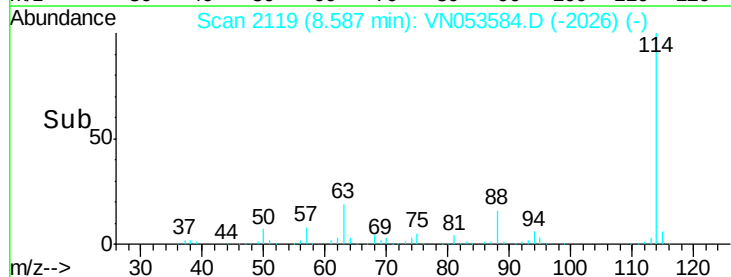
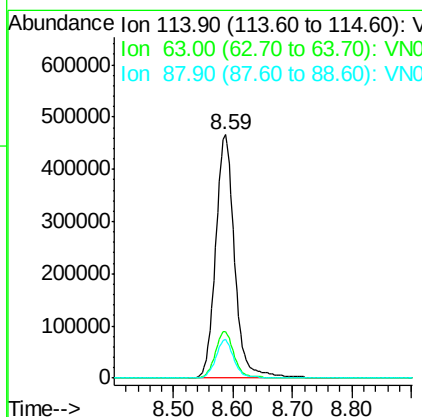
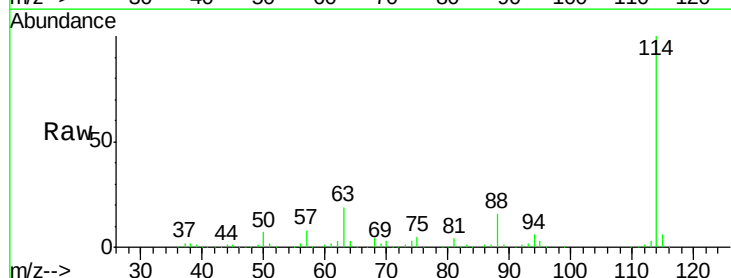
Manual Integrations
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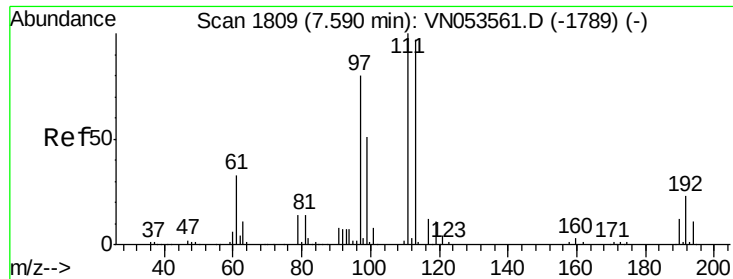
MMDadoda
 2/4/2019 9:49:39 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053584.D
 Acq: 1 Feb 2019 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1029014		
63	19.2	0.0	38.6	
88	15.8	0.0	30.4	





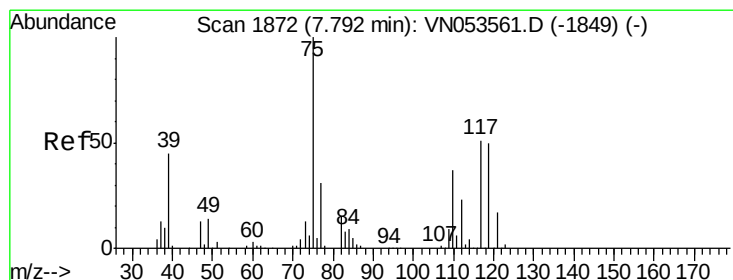
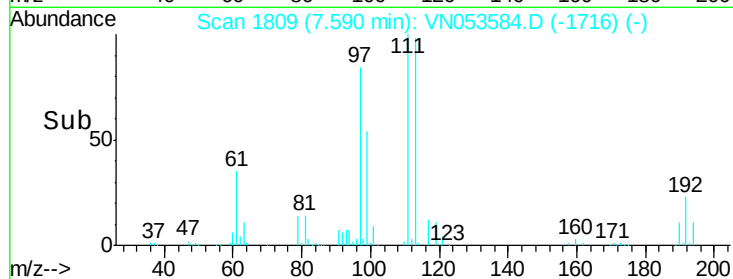
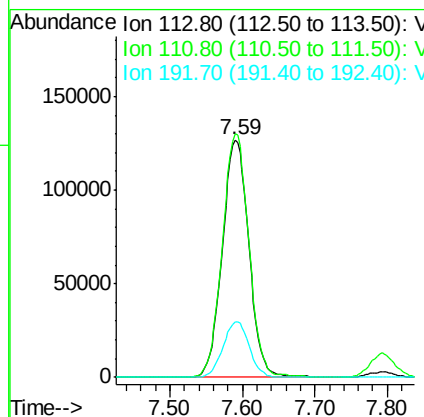
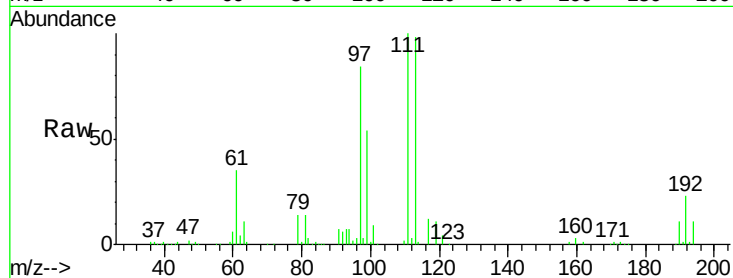
#35
 Dibromofluoromethane
 Concen: 49.634 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053584.D
 Acq: 1 Feb 2019 18:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	322720		
111	101.5	81.1	121.7	
192	23.0	18.2	27.2	

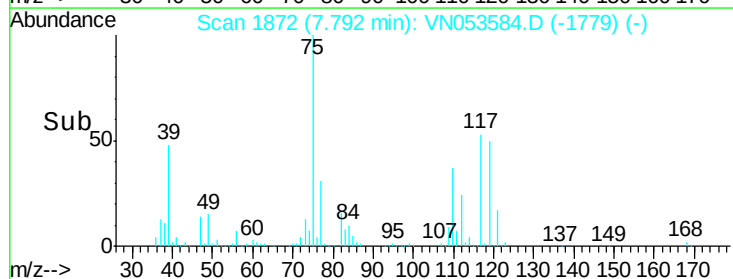
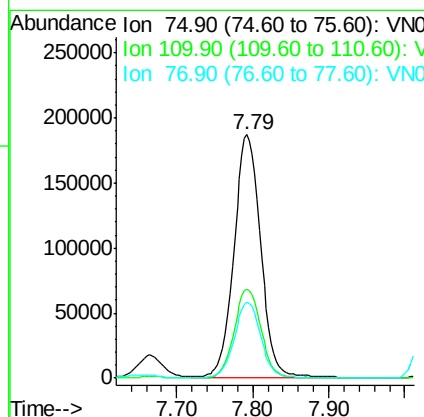
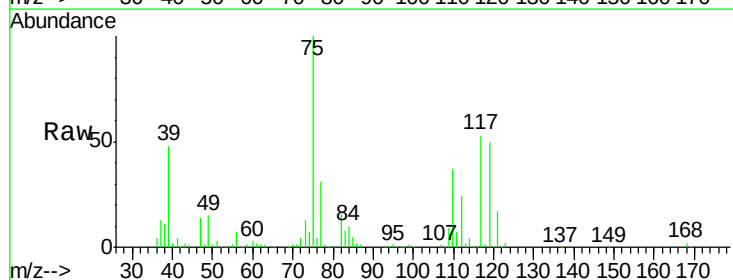
Manual Integrations
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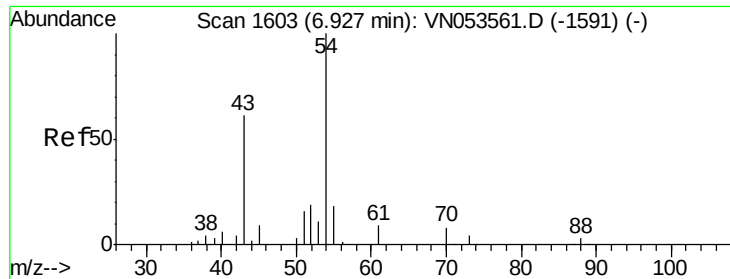
MMDadoda
 2/4/2019 9:49:39 AM



#36
 1,1-Dichloropropene
 Concen: 49.134 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053584.D
 Acq: 1 Feb 2019 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	455760		
110	36.8	18.1	54.3	
77	31.3	25.1	37.7	





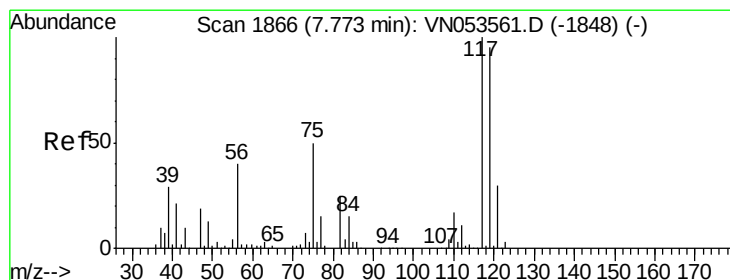
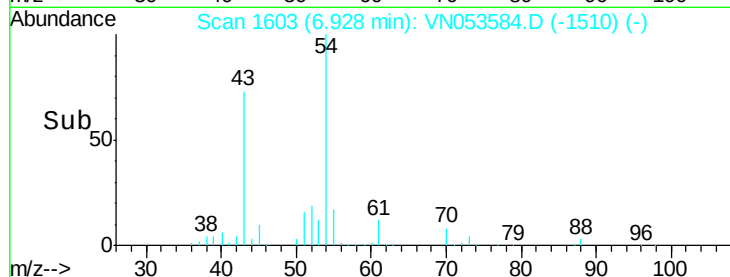
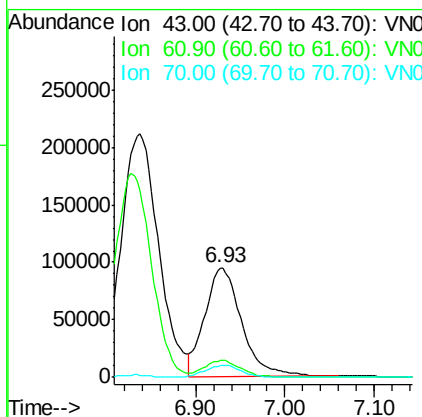
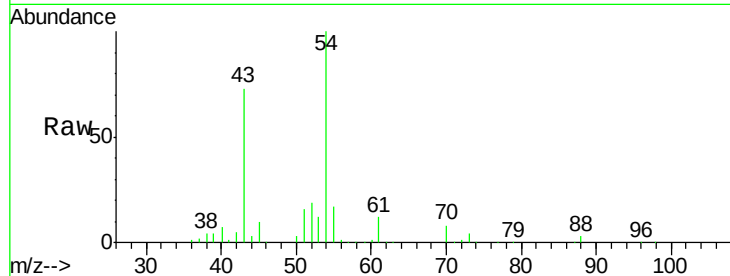
#37
Ethyl Acetate
Concen: 52.088 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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

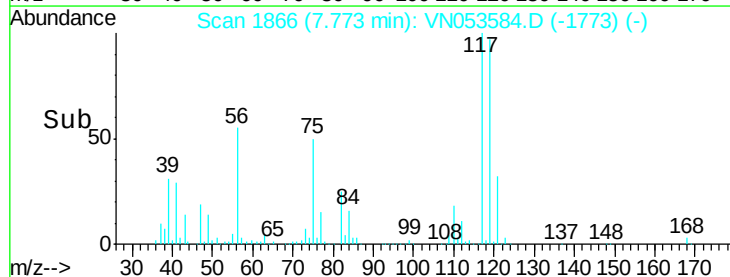
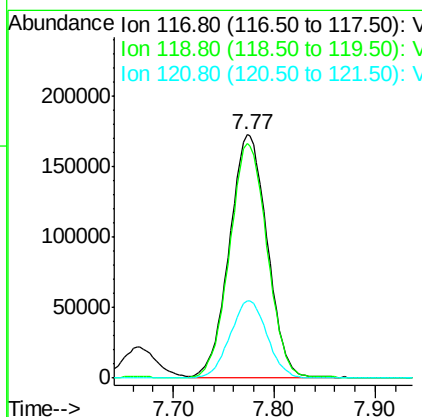
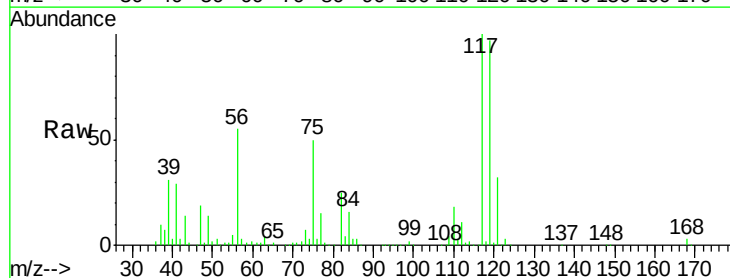
Manual Integrations
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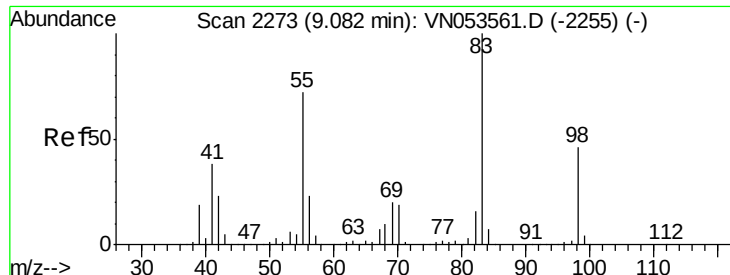
MMDadoda
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#38
Carbon Tetrachloride
Concen: 47.870 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	77.2	115.8
121	31.7	24.6	37.0





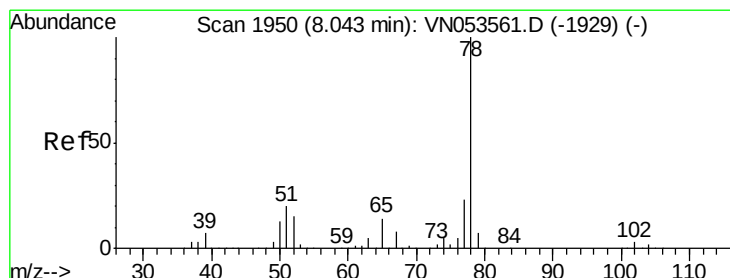
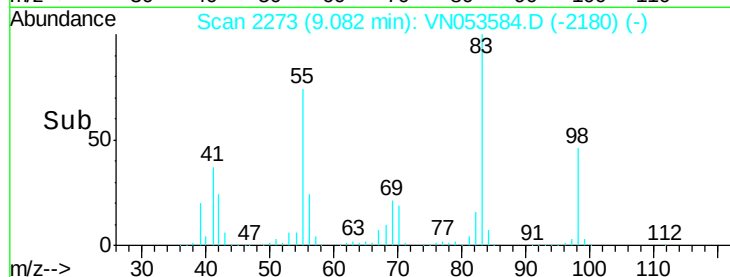
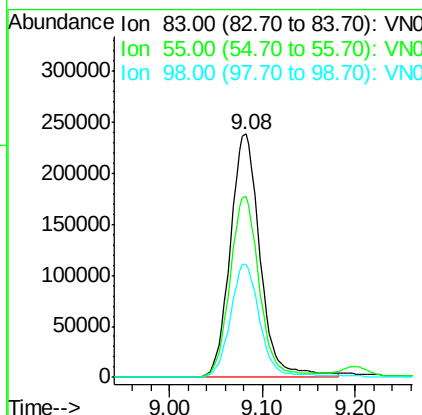
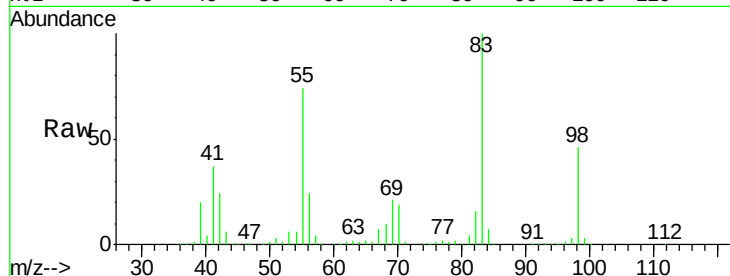
#39
Methylcyclohexane
Concen: 48.366 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
83	100		
55	74.2	60.1	90.1
98	46.4	36.6	55.0

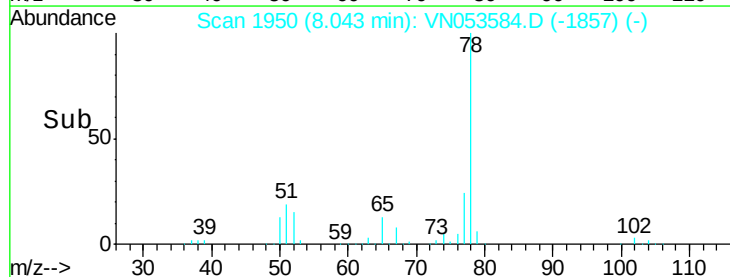
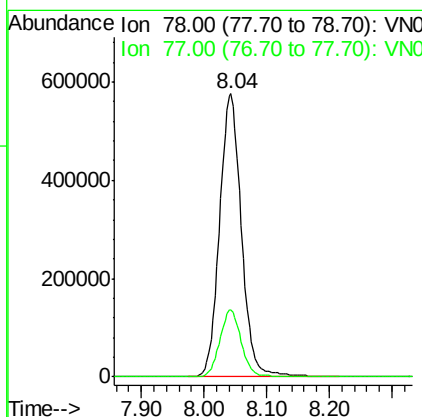
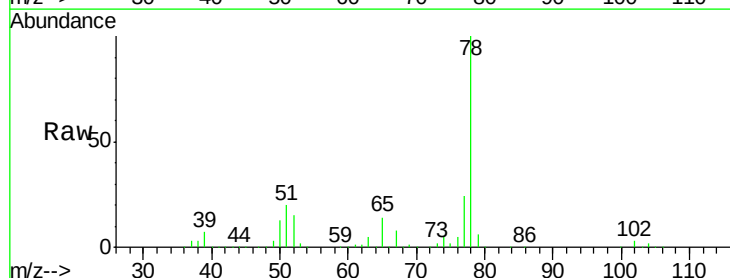
Manual Integrations
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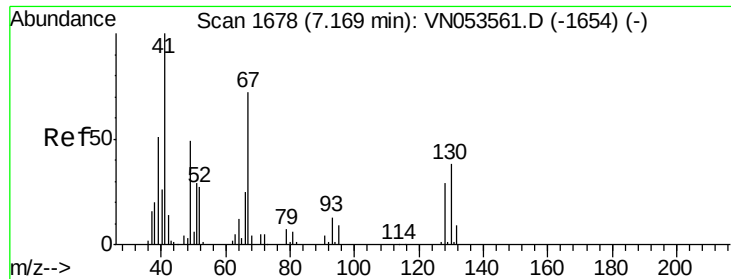
MMDadoda
2/4/2019 9:49:39 AM



#40
Benzene
Concen: 48.648 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2





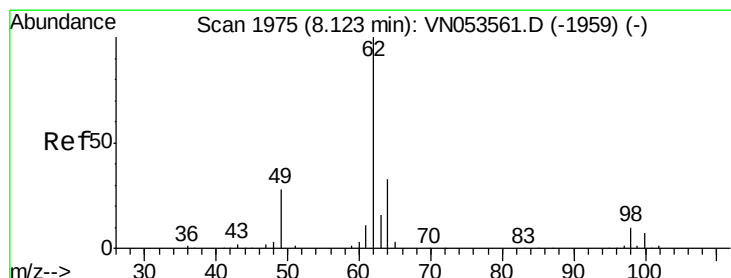
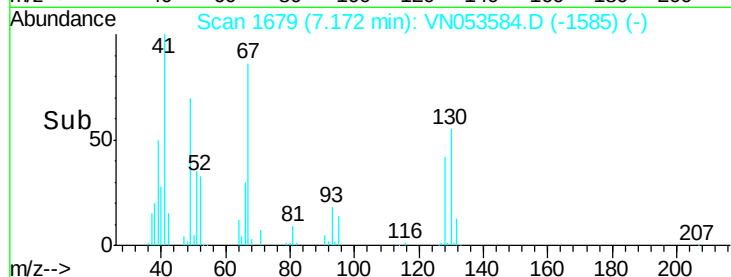
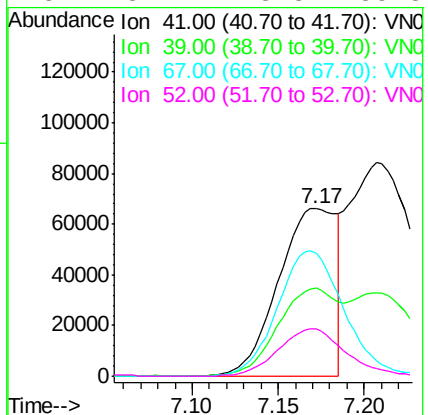
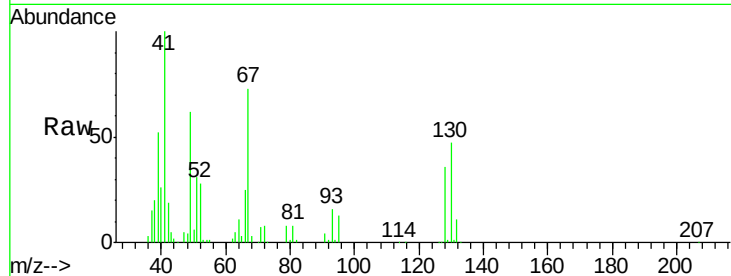
#41
Methacrylonitrile
Concen: 53.670 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.2	46.8	70.2	
67	86.4	63.0	94.6	
52	32.2	23.8	35.8	

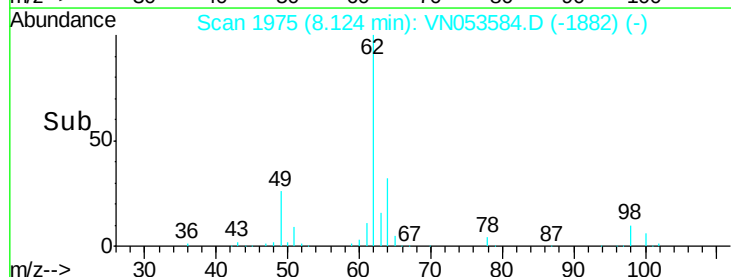
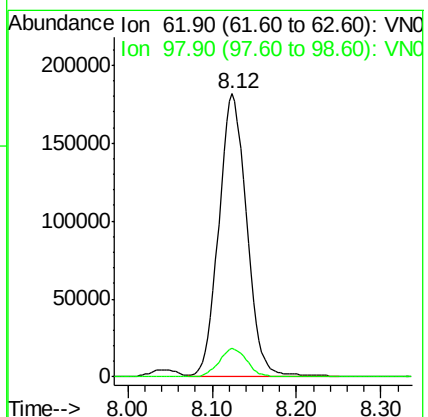
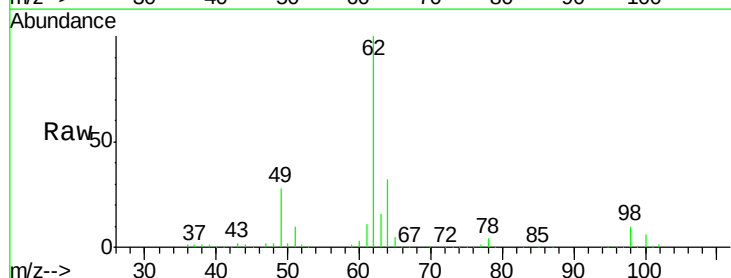
Manual Integrations
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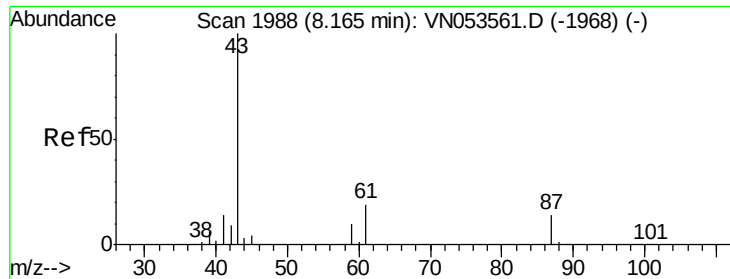
MMDadoda
2/4/2019 9:49:39 AM



#42
1,2-Dichloroethane
Concen: 49.075 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	0.0	19.6	





#43

Isopropyl Acetate

Concen: 47.845 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Instrument :

MSVOA_N

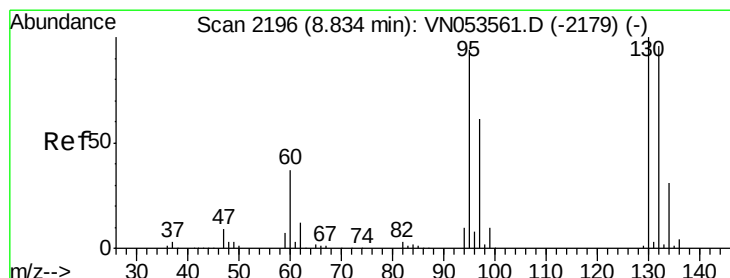
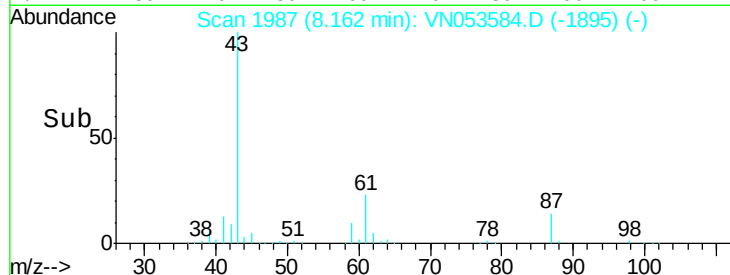
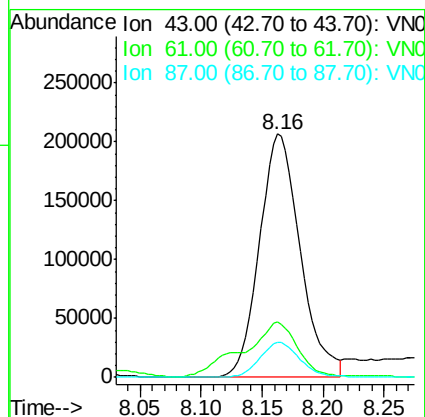
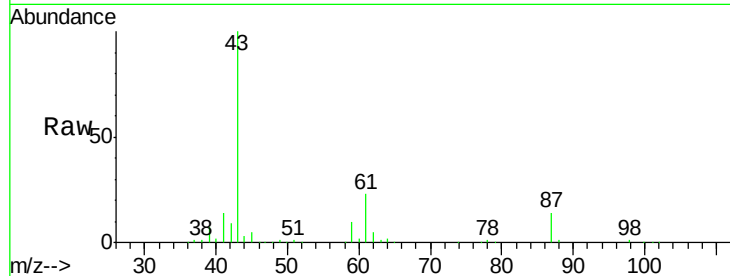
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	43	Resp:	478690
Ion	Ratio	Lower	Upper
43	100		
61	30.7	23.9	35.9
87	14.2	11.0	16.6

Manual Integrations
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#44

Trichloroethene

Concen: 45.936 ug/l

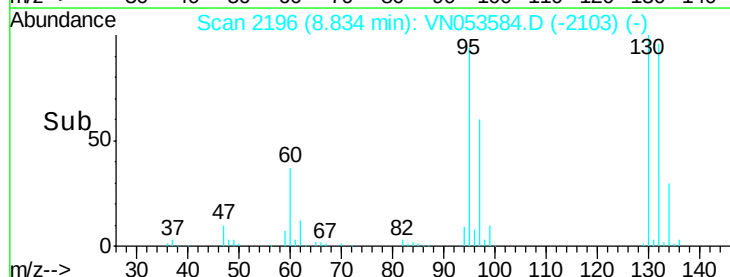
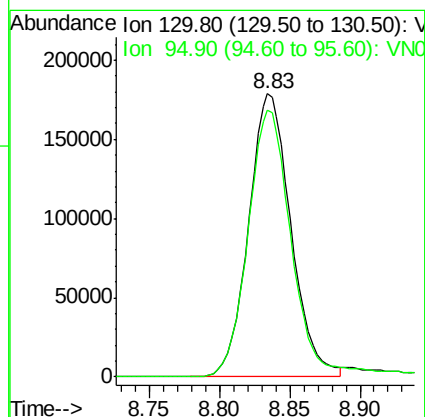
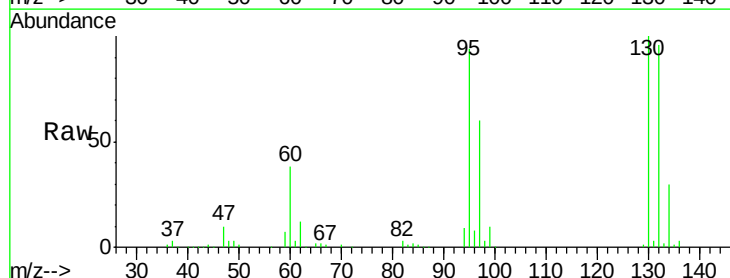
RT: 8.83 min Scan# 2196

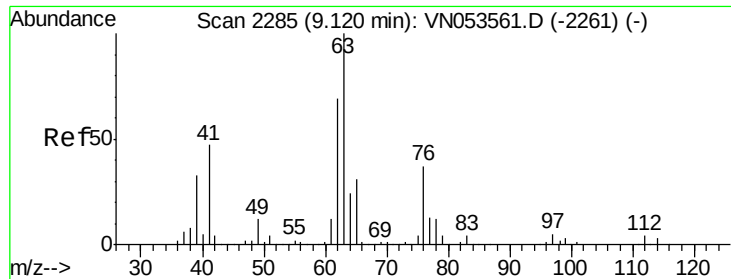
Delta R.T. 0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Tgt Ion:	130	Resp:	374081
Ion	Ratio	Lower	Upper
130	100		
95	94.4	0.0	191.4





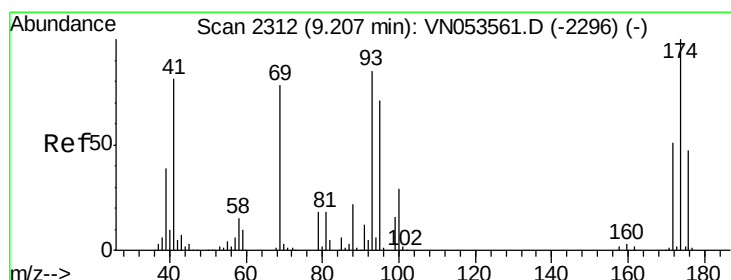
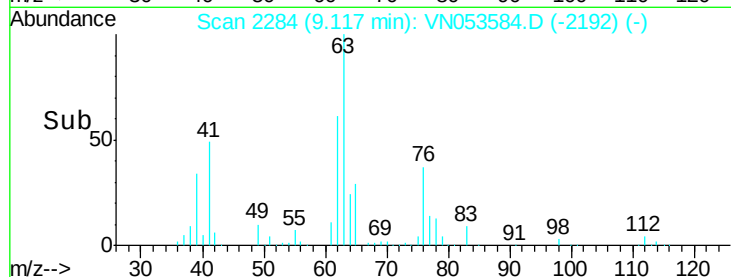
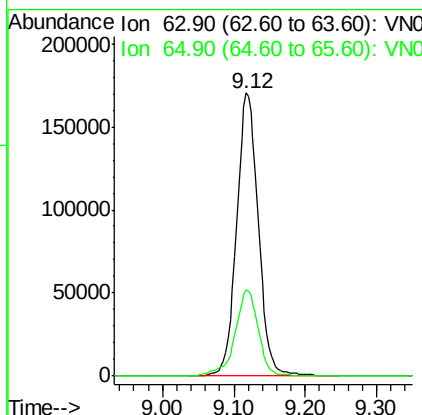
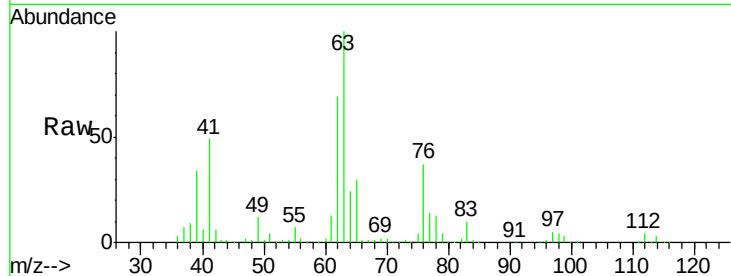
#45
 1,2-Dichloropropane
 Concen: 49.667 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053584.D
 Acq: 1 Feb 2019 18:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 63 Resp: 363379
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.0 37.4

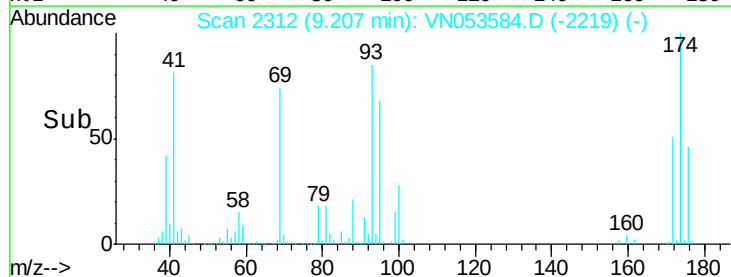
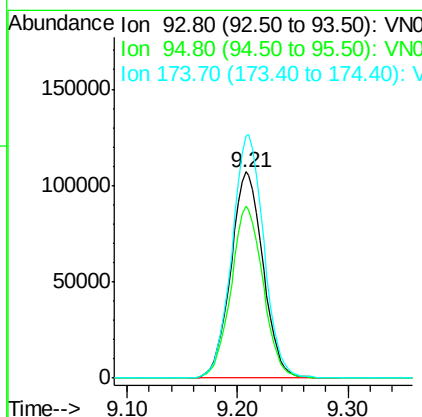
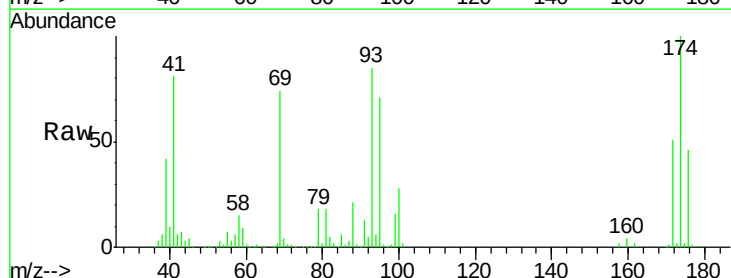
Manual Integrations
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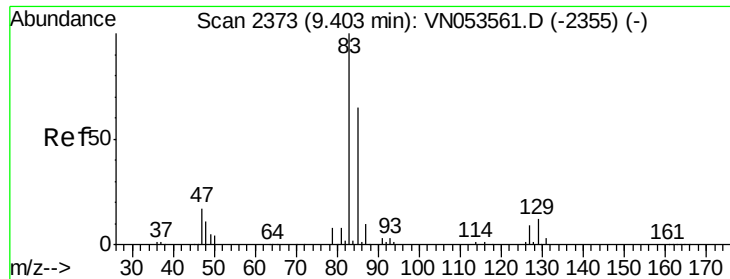
MMDadoda
 2/4/2019 9:49:39 AM



#46
 Dibromomethane
 Concen: 49.103 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN053584.D
 Acq: 1 Feb 2019 18:42

Tgt Ion: 93 Resp: 216563
 Ion Ratio Lower Upper
 93 100
 95 82.9 67.3 100.9
 174 116.8 91.0 136.4





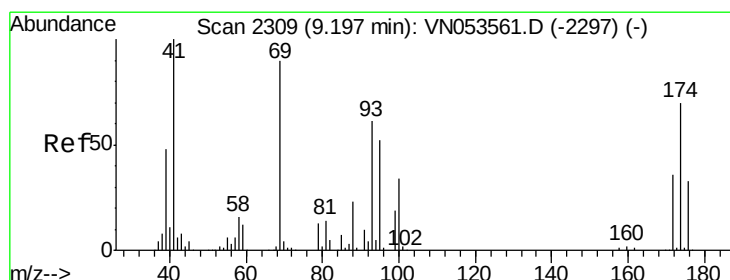
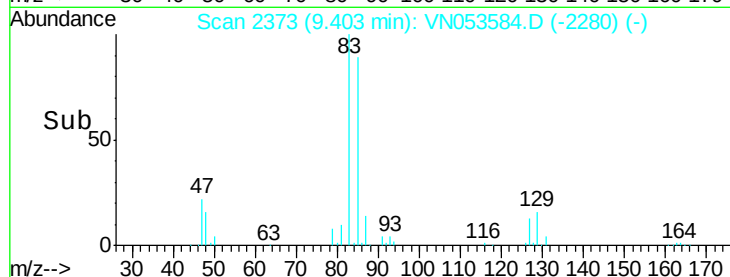
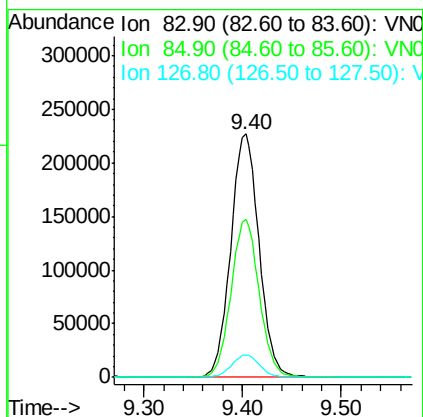
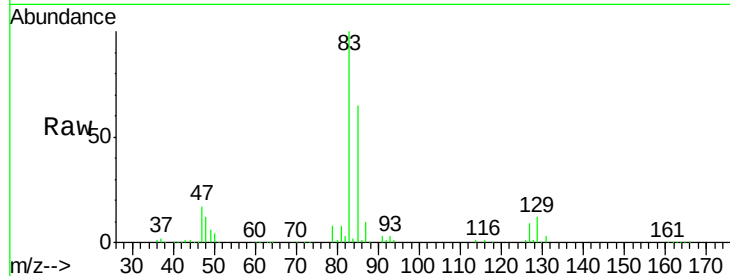
#47
Bromodichloromethane
Concen: 49.442 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.0	76.6
127	9.2	7.0	10.6

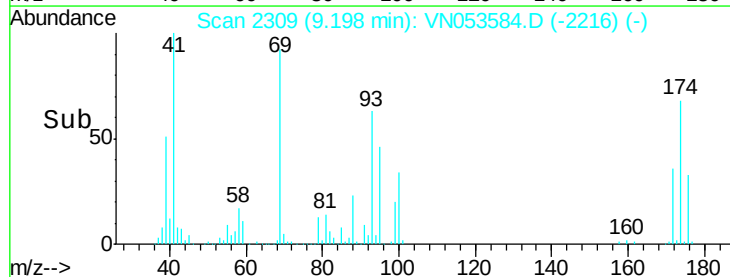
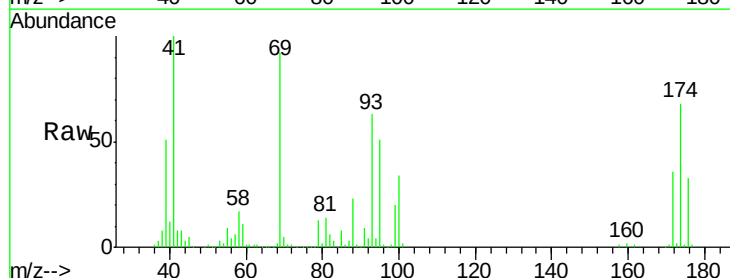
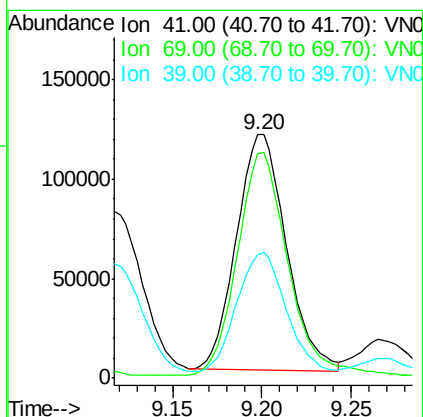
Manual Integrations
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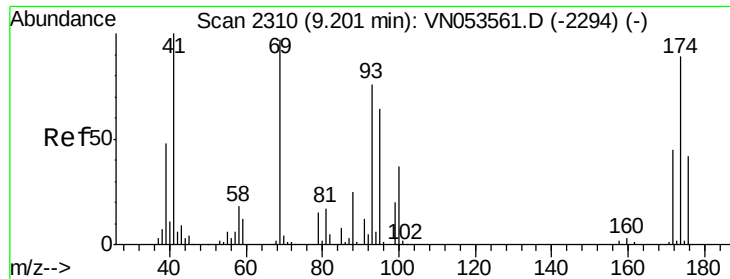
MMDadoda
2/4/2019 9:49:39 AM



#48
Methyl methacrylate
Concen: 48.638 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Tgt Ion	Ratio	Lower	Upper
41	100		
69	100.4	73.8	110.6
39	55.1	40.0	60.0





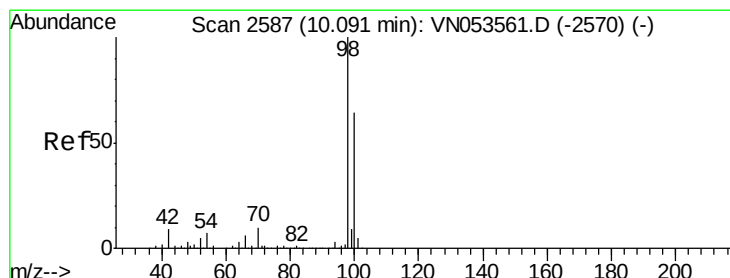
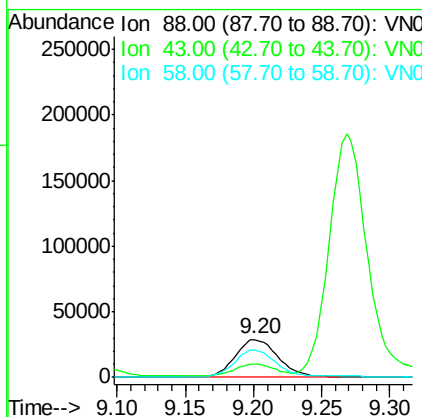
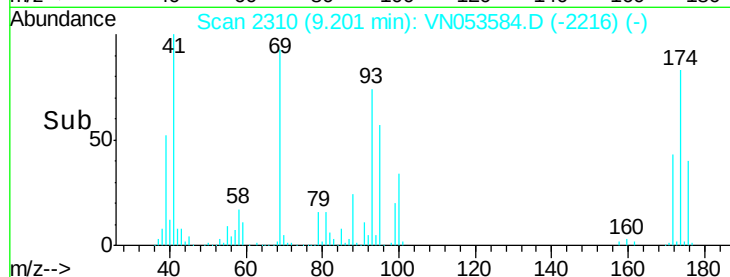
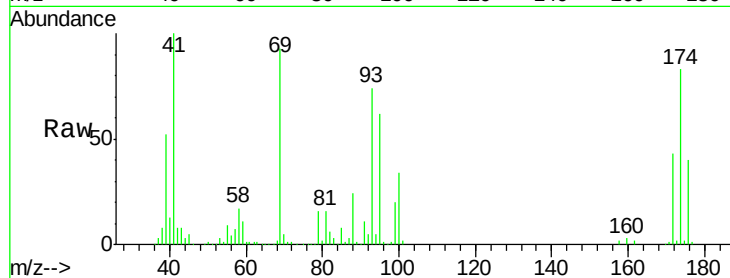
#49
1,4-Dioxane
Concen: 927.532 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
88	100		
43	30.2	27.8	41.6
58	69.0	56.5	84.7

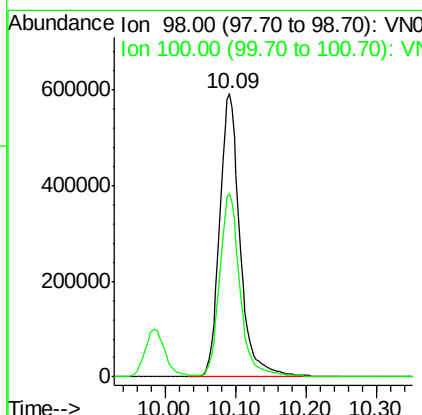
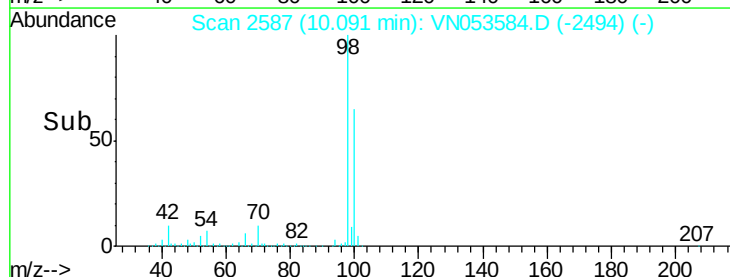
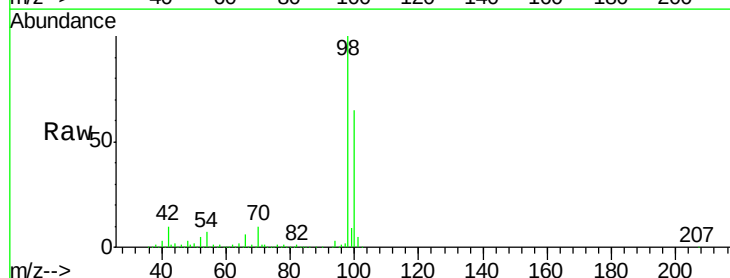
Manual Integrations
APPROVED

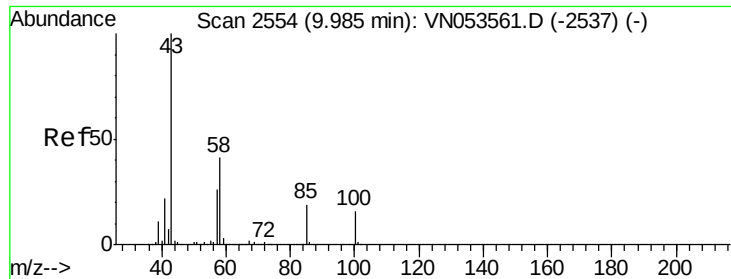
MMDadoda
2/4/2019 9:49:39 AM



#50
Toluene-d8
Concen: 48.713 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 261.743 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 1286843

Ion Ratio Lower Upper

43 100

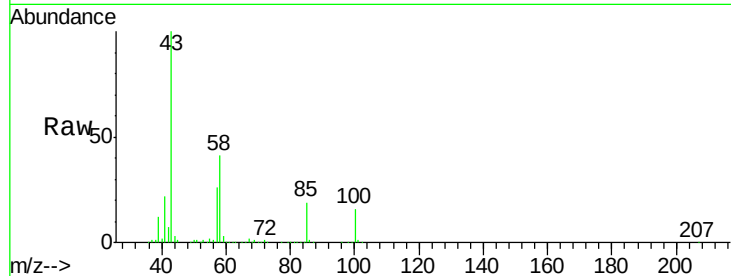
58 40.3 32.8 49.2

Manual Integrations

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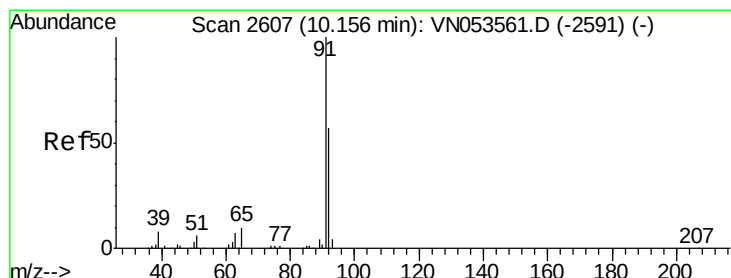
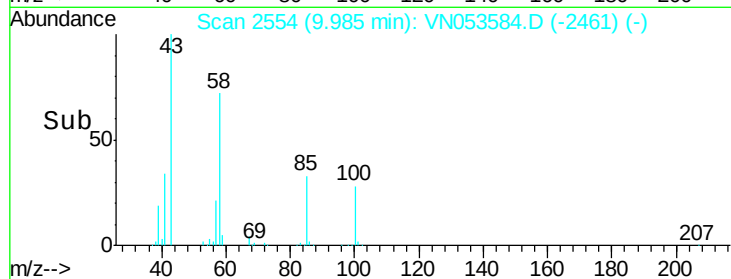
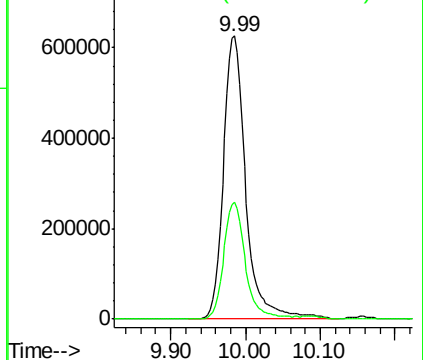
MMDadoda

2/4/2019 9:49:39 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.070 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053584.D

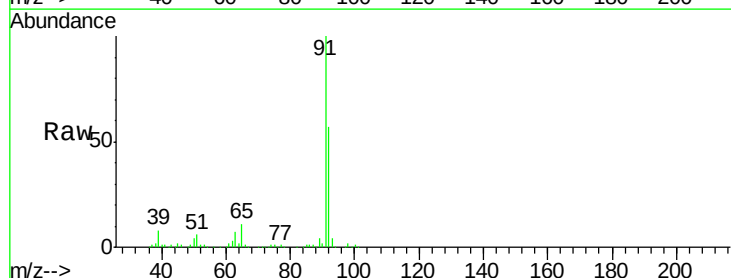
Acq: 1 Feb 2019 18:42

Tgt Ion: 92 Resp: 850028

Ion Ratio Lower Upper

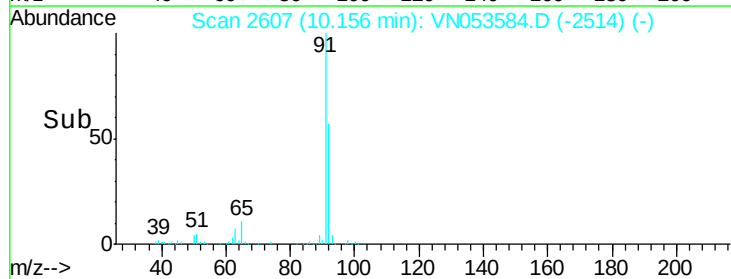
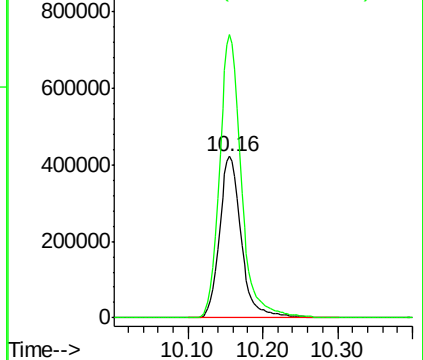
92 100

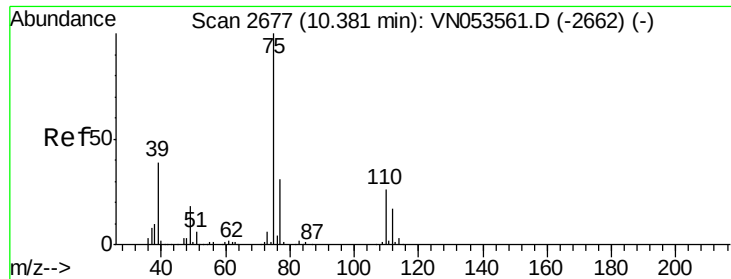
91 174.5 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





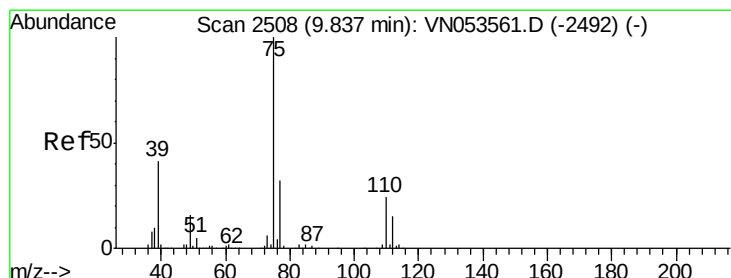
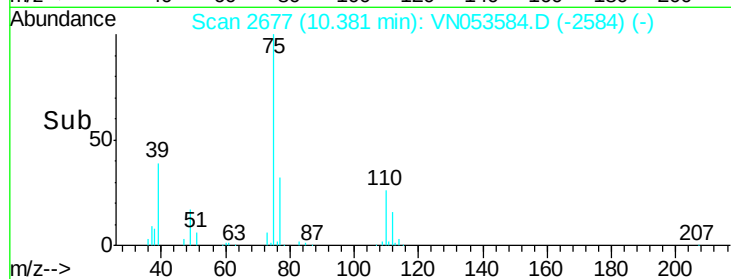
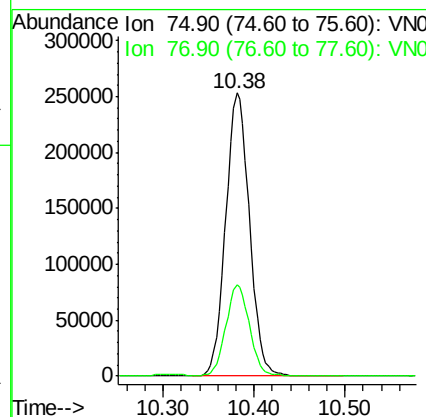
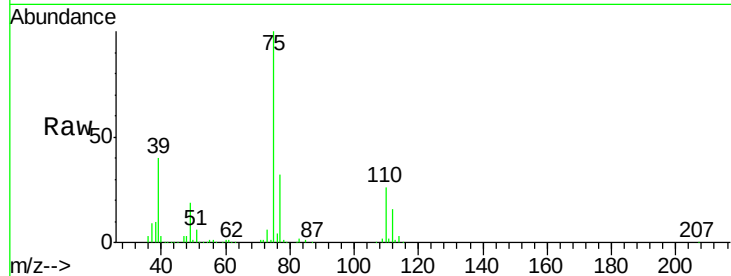
#53
t-1,3-Dichloropropene
Concen: 50.055 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 459622
Ion Ratio Lower Upper
75 100
77 32.1 25.5 38.3

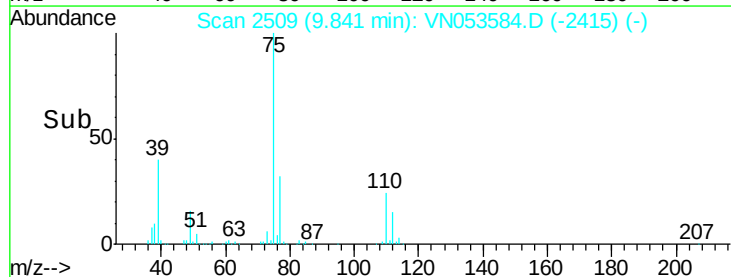
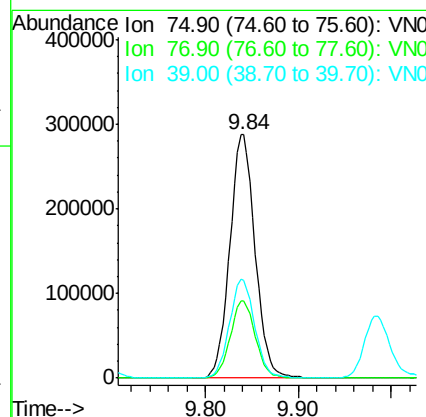
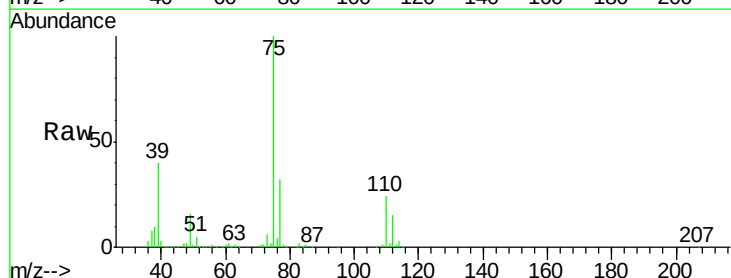
Manual Integrations
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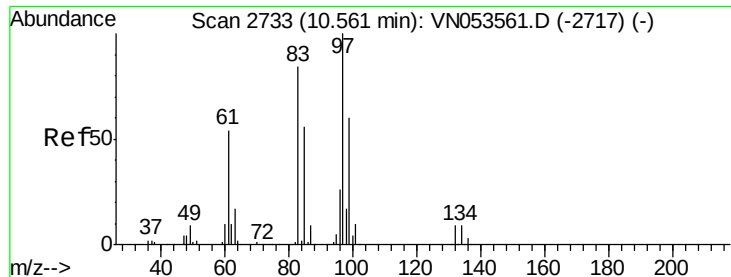
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 49.850 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Tgt Ion: 75 Resp: 542418
Ion Ratio Lower Upper
75 100
77 31.8 25.8 38.6
39 40.2 33.4 50.0





#55

1,1,2-Trichloroethane

Concen: 50.310 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 307768
Ion Ratio Lower Upper

97 100

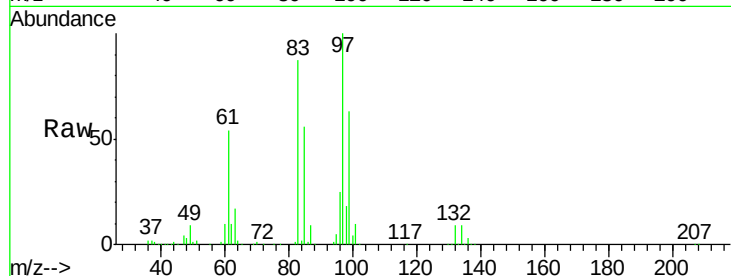
83 86.9 70.1 105.1

85 56.1 45.4 68.0

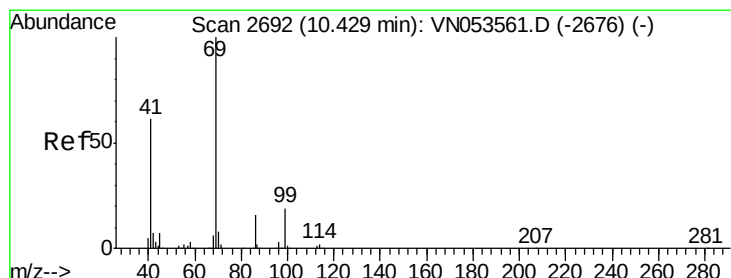
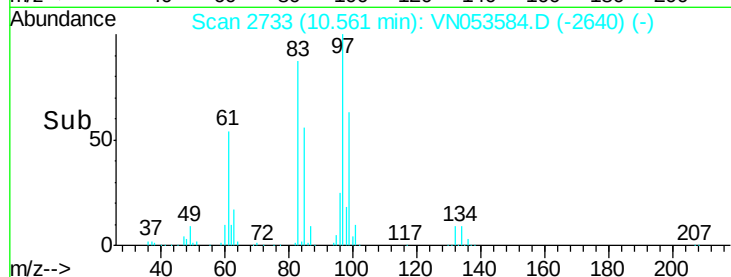
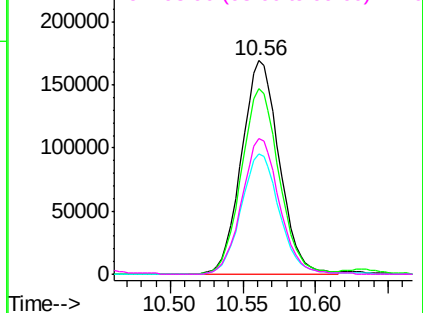
99 63.2 49.8 74.8

Manual Integrations
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2/4/2019 9:49:39 AM



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 52.678 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053584.D

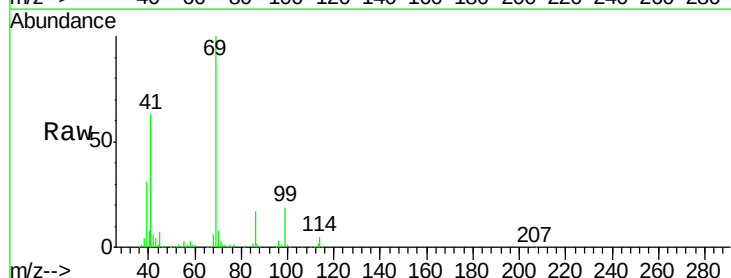
Acq: 1 Feb 2019 18:42

Tgt Ion: 69 Resp: 381226
Ion Ratio Lower Upper

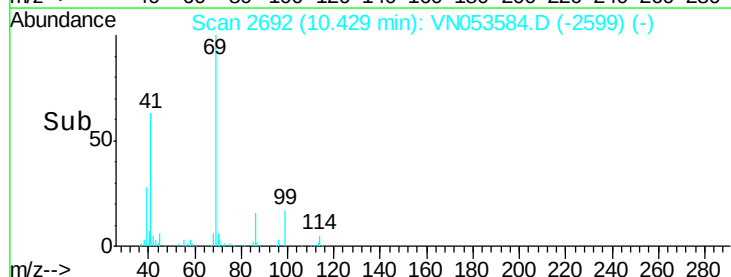
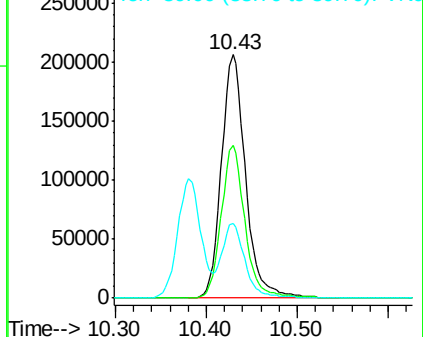
69 100

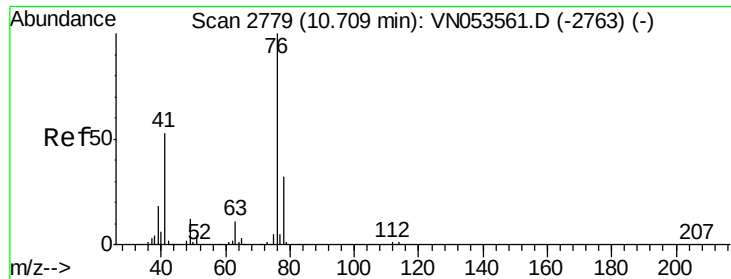
41 60.8 49.4 74.0

39 29.8 23.3 34.9



Abundance Ion 69.00 (68.70 to 69.70): VN0
Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





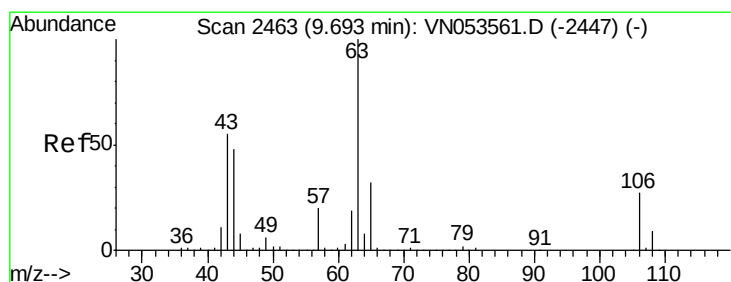
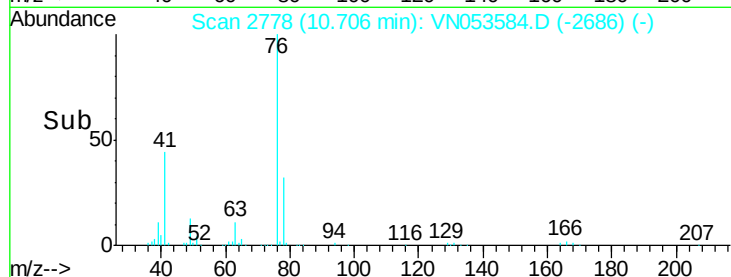
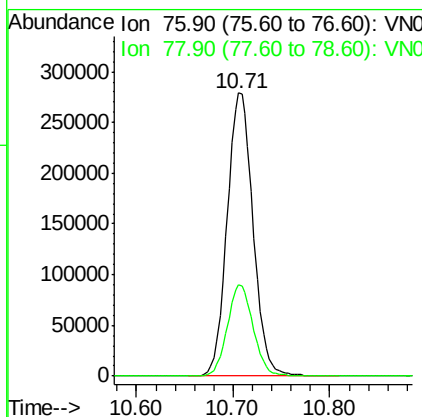
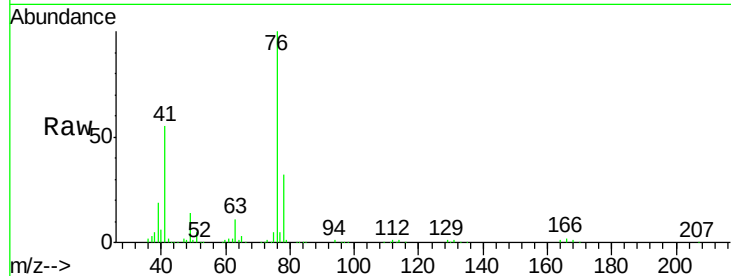
#57
 1,3-Dichloropropane
 Concen: 49.514 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN053584.D
 Acq: 1 Feb 2019 18:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 76 Resp: 517664
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.6 38.4

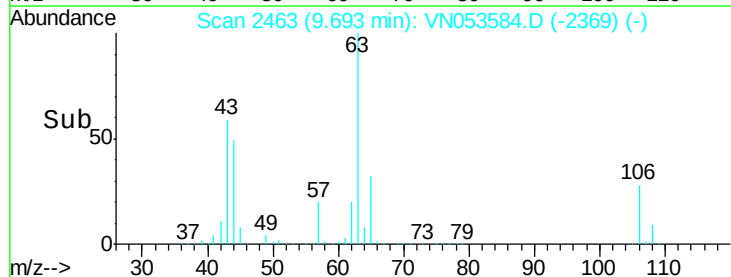
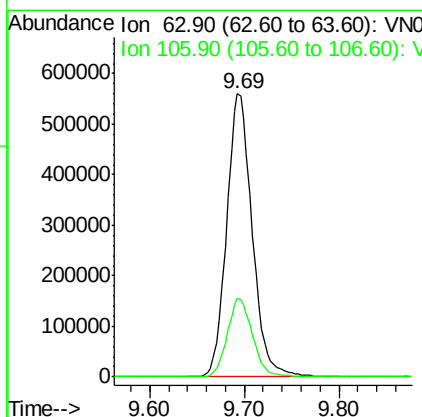
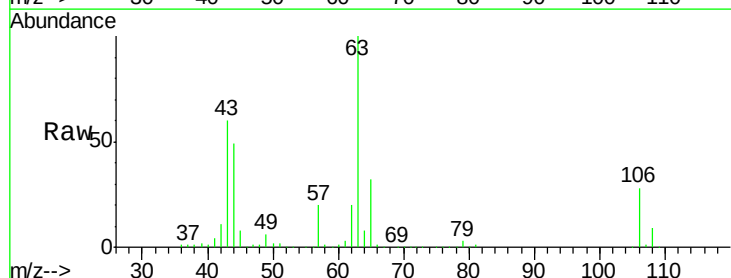
Manual Integrations
 APPROVED

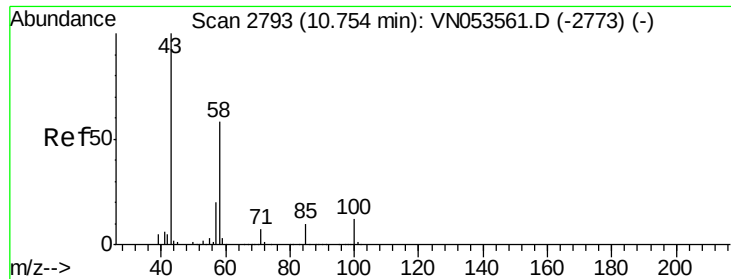
MMDadoda
 2/4/2019 9:49:39 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 233.908 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN053584.D
 Acq: 1 Feb 2019 18:42

Tgt Ion: 63 Resp: 1047419
 Ion Ratio Lower Upper
 63 100
 106 27.4 21.5 32.3





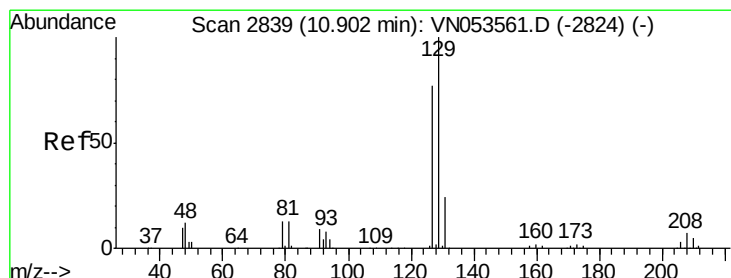
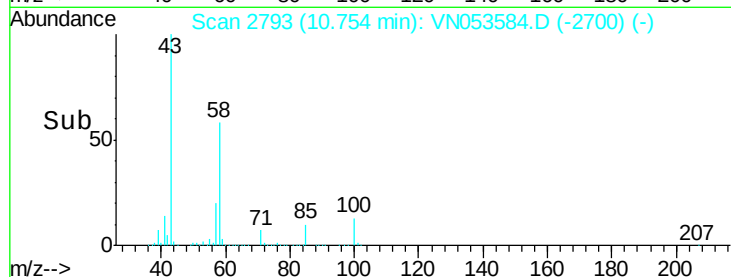
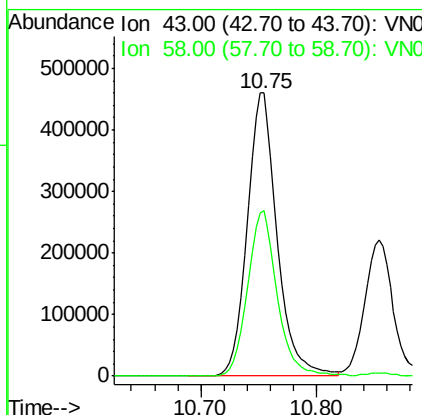
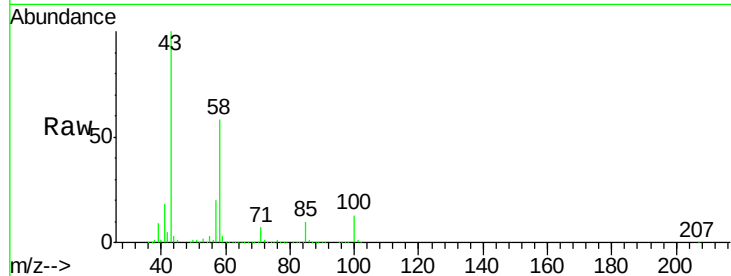
#59
2-Hexanone
Concen: 246.896 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tgt Ion: 43 Resp: 824049
Ion Ratio Lower Upper
43 100
58 58.1 28.6 85.8

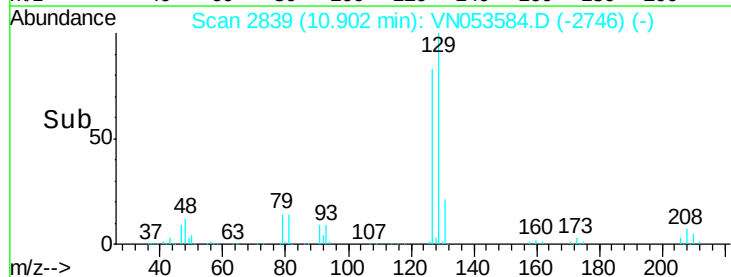
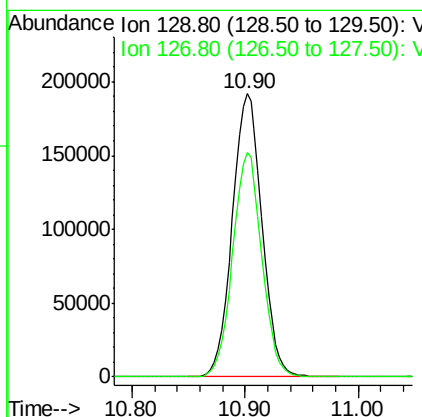
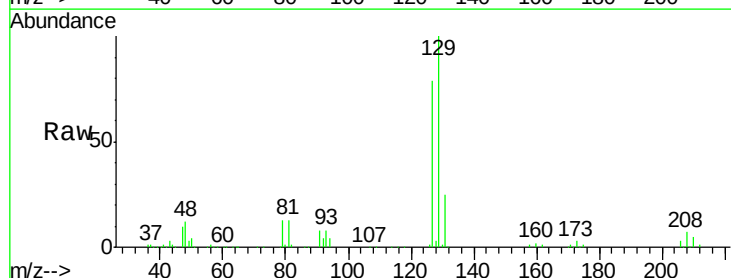
Manual Integrations
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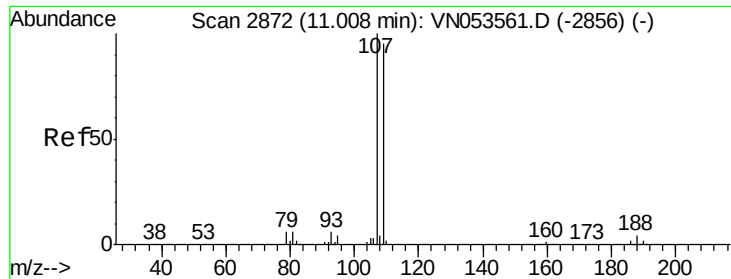
MMDadoda
2/4/2019 9:49:39 AM



#60
Dibromochloromethane
Concen: 50.682 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Tgt Ion: 129 Resp: 349627
Ion Ratio Lower Upper
129 100
127 77.9 38.6 115.8





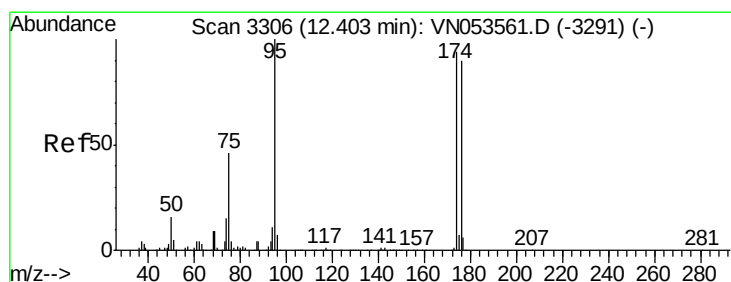
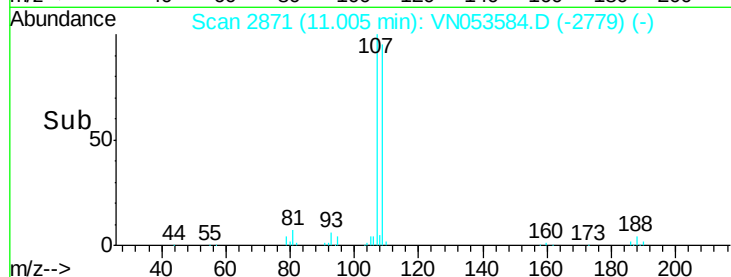
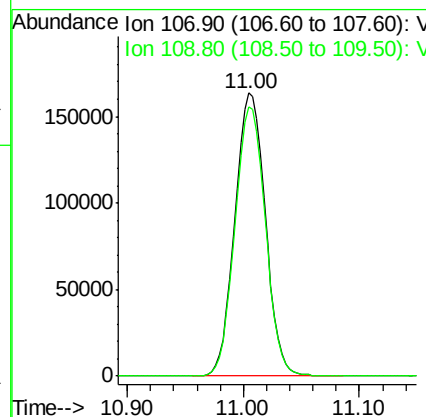
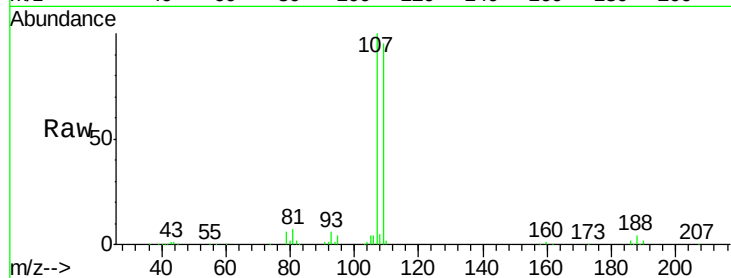
#61
 1,2-Dibromoethane
 Concen: 48.977 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN053584.D
 Acq: 1 Feb 2019 18:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 107 Resp: 296548
 Ion Ratio Lower Upper
 107 100
 109 95.2 75.7 113.5

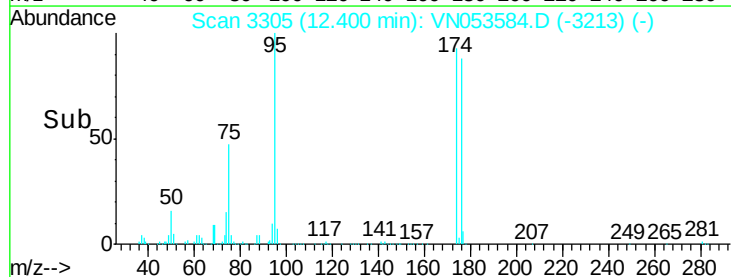
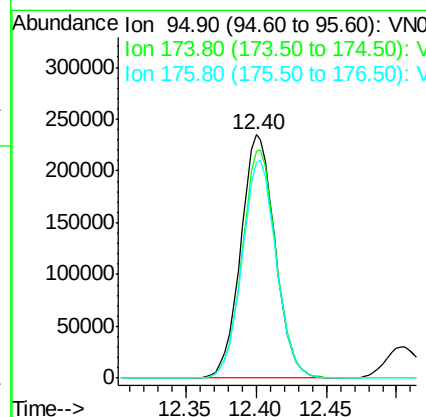
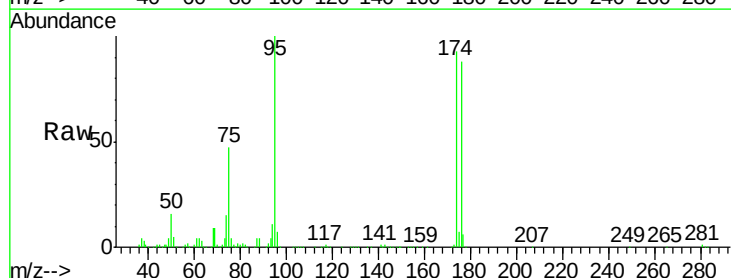
Manual Integrations
 APPROVED

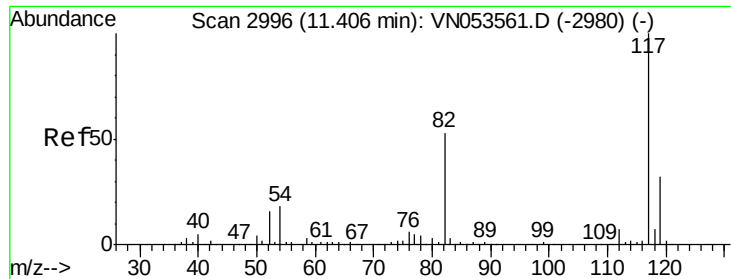
MMDadoda
 2/4/2019 9:49:39 AM



#62
 4-Bromofluorobenzene
 Concen: 49.199 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053584.D
 Acq: 1 Feb 2019 18:42

Tgt Ion: 95 Resp: 400602
 Ion Ratio Lower Upper
 95 100
 174 93.0 0.0 183.2
 176 89.2 0.0 177.4





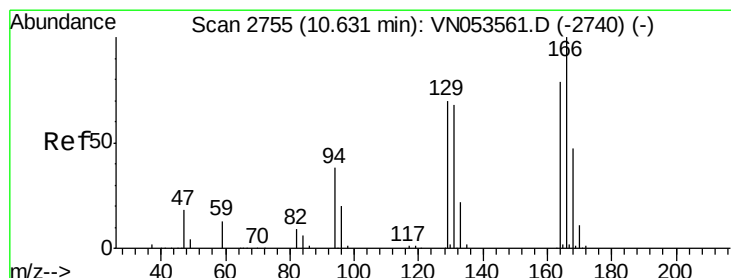
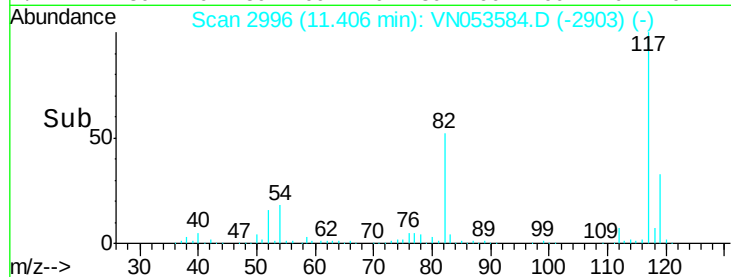
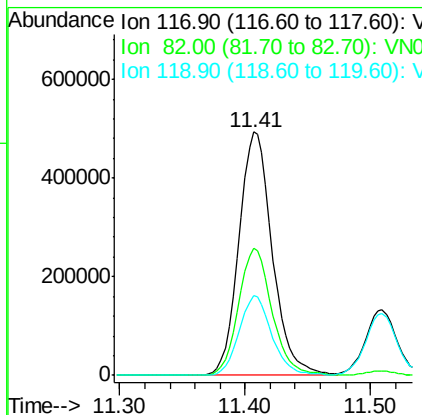
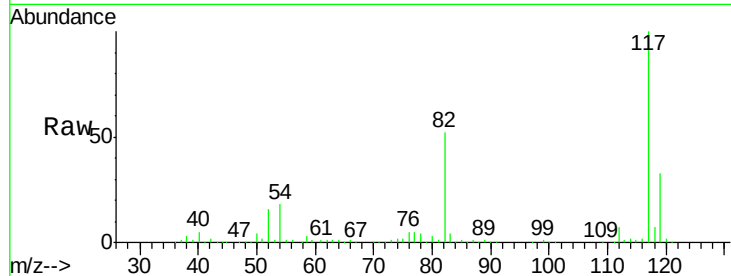
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	915030		
82	52.1	42.9	64.3	
119	32.6	26.0	39.0	

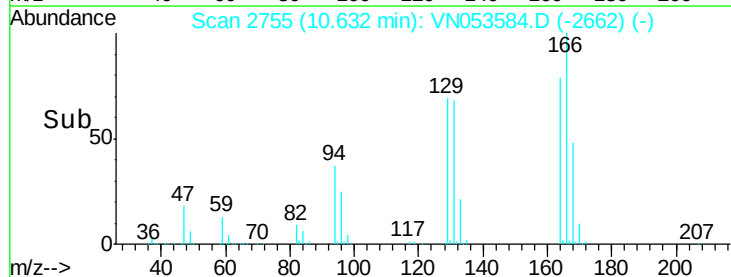
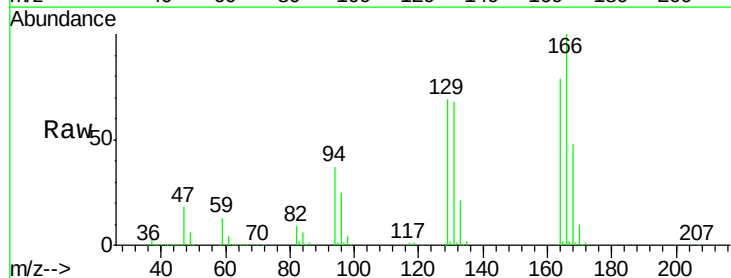
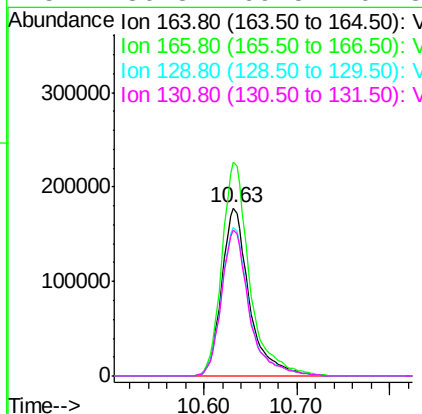
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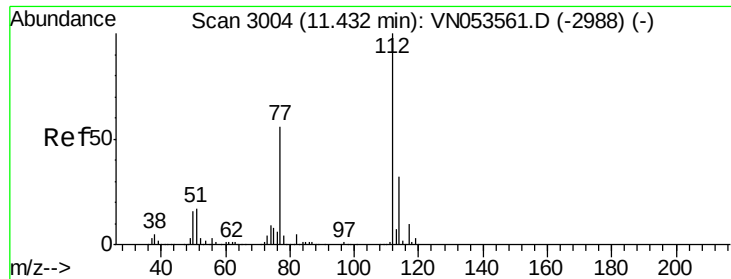
MMDadoda
2/4/2019 9:49:39 AM



#64
Tetrachloroethene
Concen: 46.923 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	368053		
166	127.3	102.2	153.4	
129	88.3	72.6	109.0	
131	86.8	69.5	104.3	





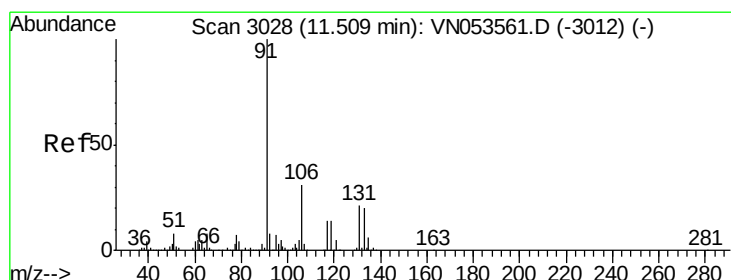
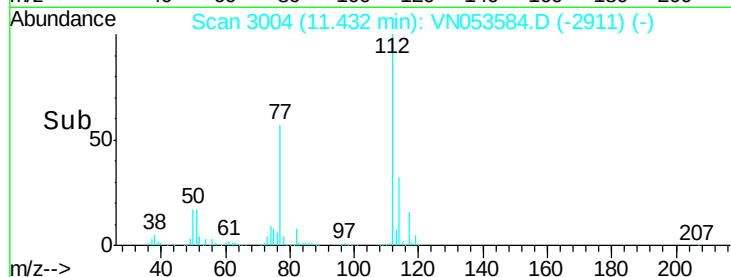
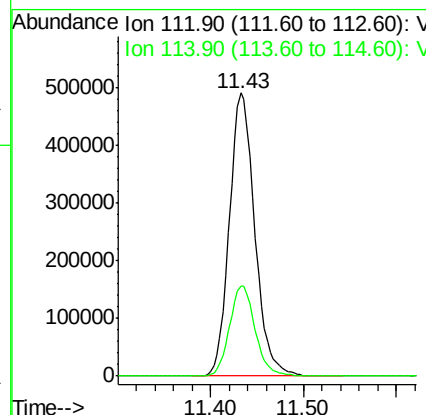
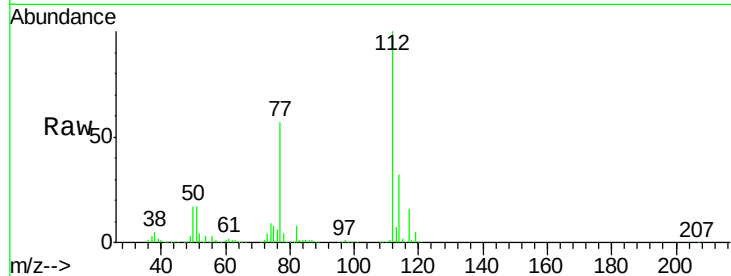
#65
Chlorobenzene
Concen: 47.791 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 928869
Ion Ratio Lower Upper
112 100
114 31.9 25.3 37.9

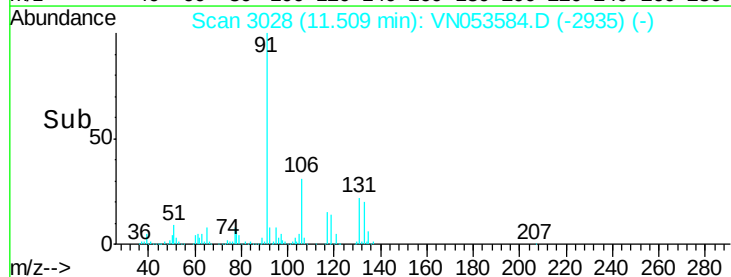
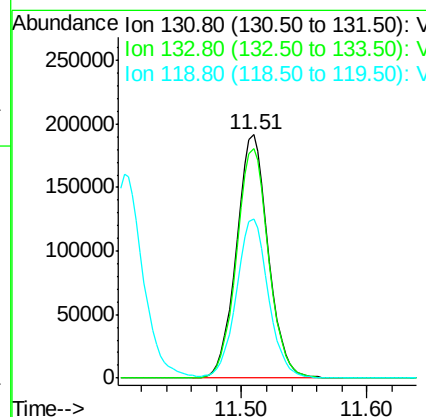
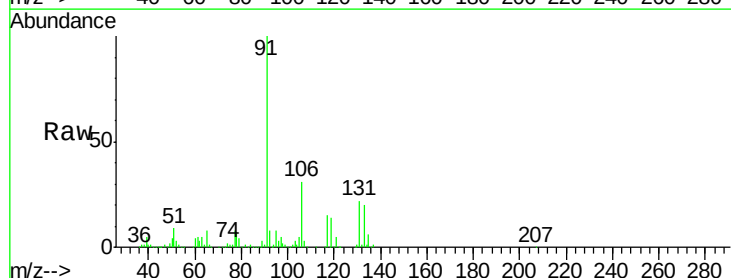
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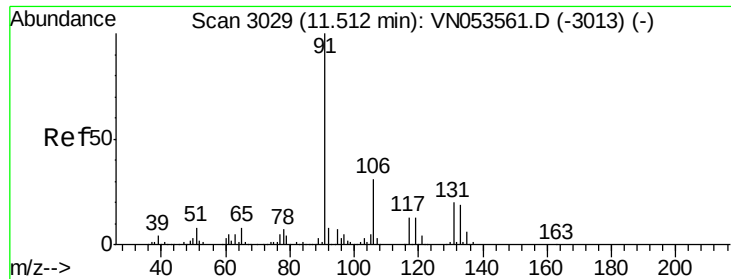
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.534 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Tgt Ion:131 Resp: 336231
Ion Ratio Lower Upper
131 100
133 95.3 48.0 144.0
119 66.1 33.5 100.5





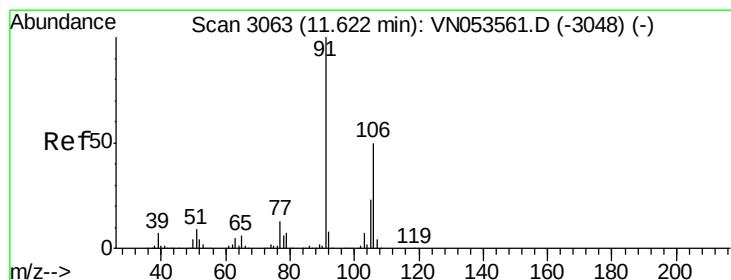
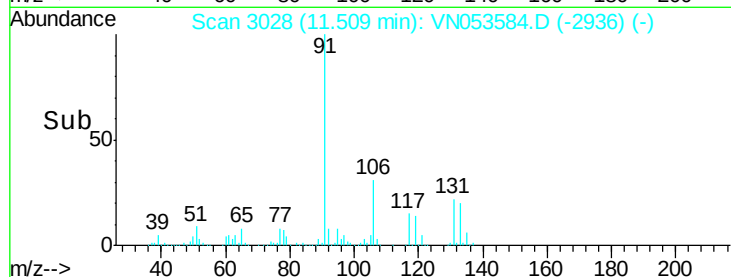
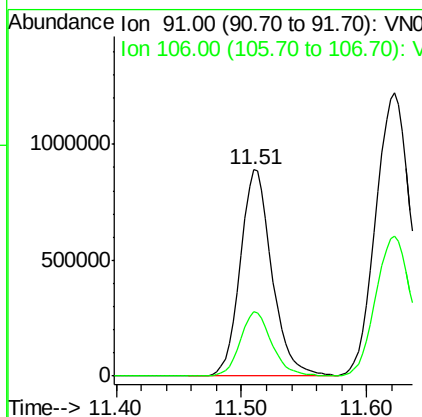
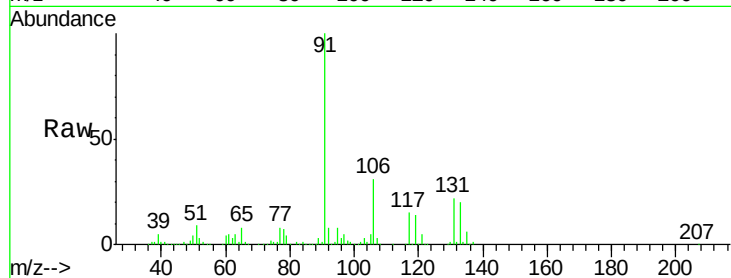
#67
Ethyl Benzene
Concen: 49.076 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 1566876
Ion Ratio Lower Upper
91 100
106 31.0 25.0 37.6

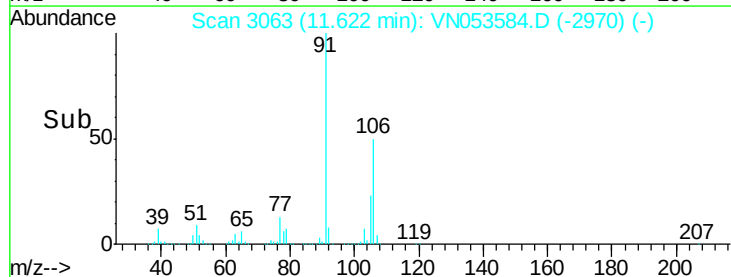
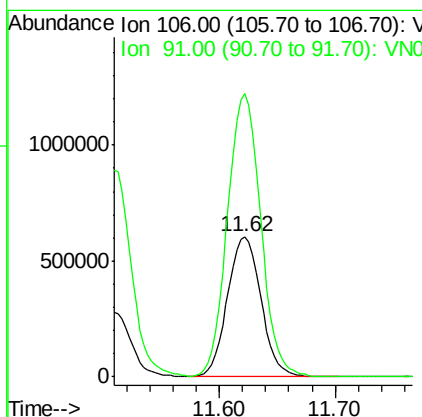
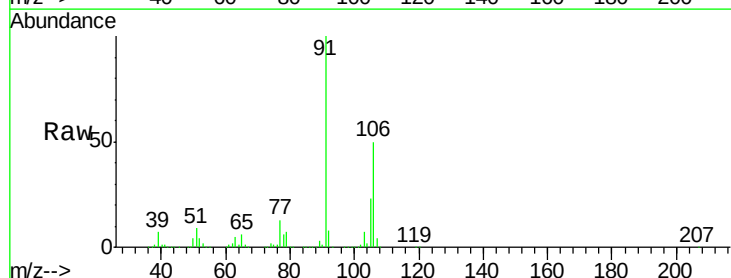
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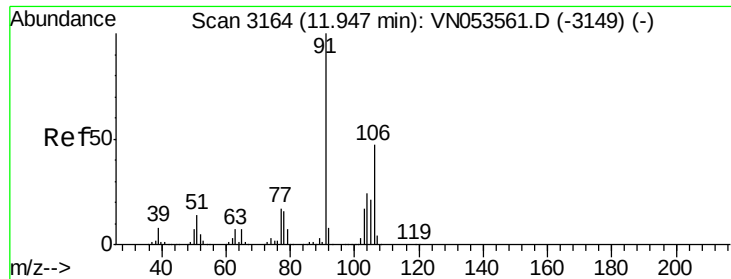
MMDadoda
2/4/2019 9:49:39 AM



#68
m/p-Xylenes
Concen: 99.941 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Tgt Ion: 106 Resp: 1217843
Ion Ratio Lower Upper
106 100
91 200.4 161.4 242.2





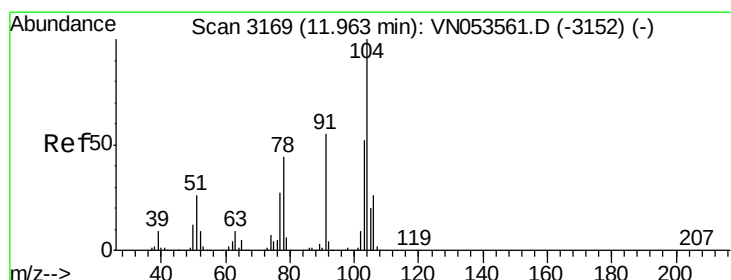
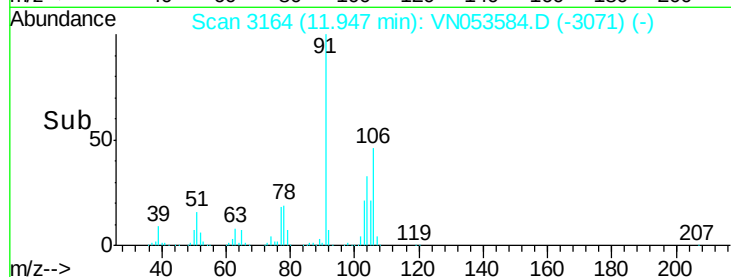
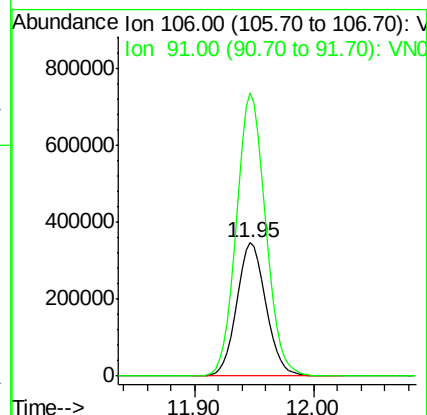
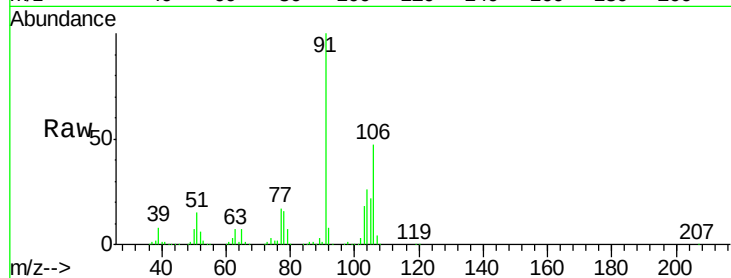
#69
o-Xylene
Concen: 50.296 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 592107
Ion Ratio Lower Upper
106 100
91 211.7 106.9 320.8

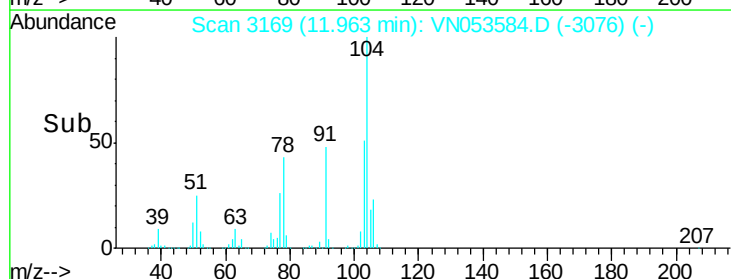
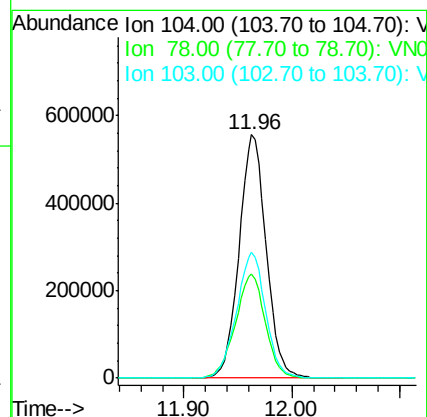
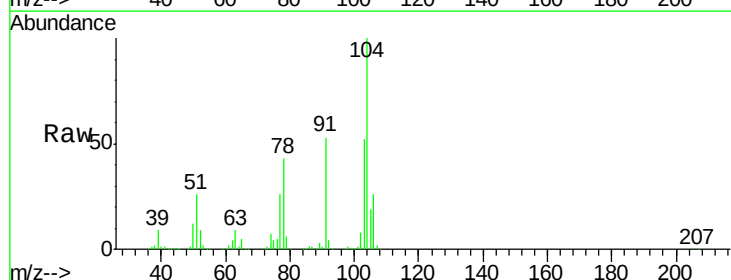
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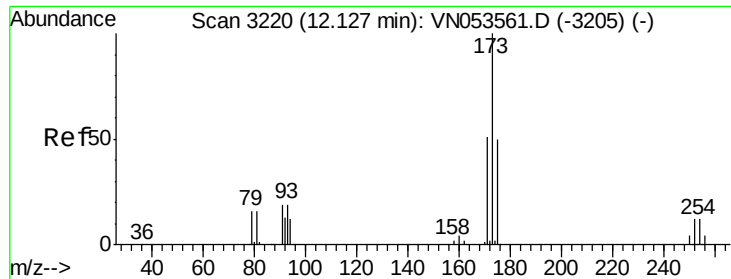
MMDadoda
2/4/2019 9:49:39 AM



#70
Styrene
Concen: 50.976 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Tgt Ion:104 Resp: 972676
Ion Ratio Lower Upper
104 100
78 47.3 38.2 57.2
103 55.5 44.4 66.6





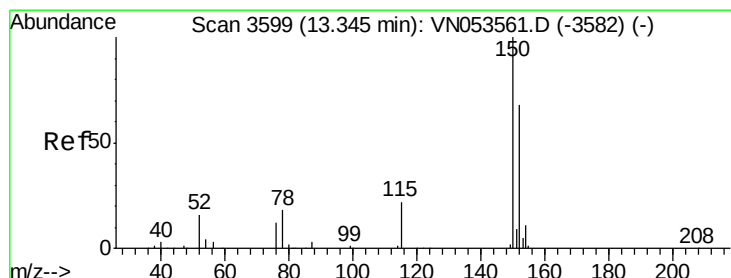
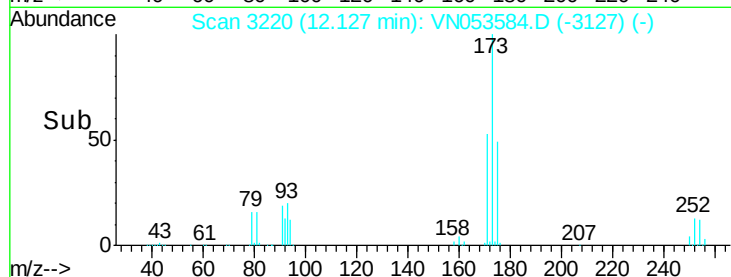
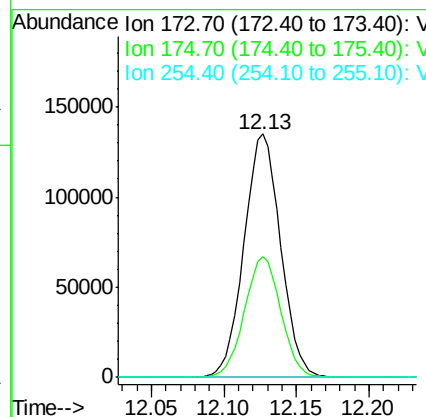
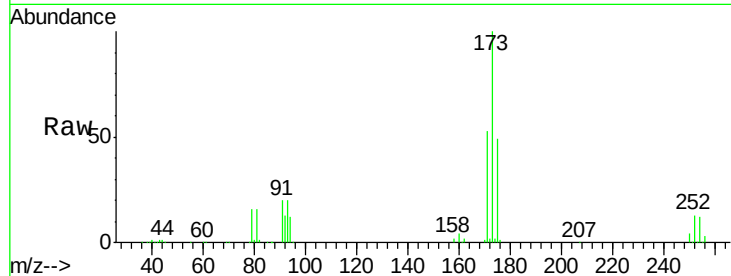
#71
Bromoform
Concen: 50.856 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.6	74.0
254	0.2	0.2	0.2

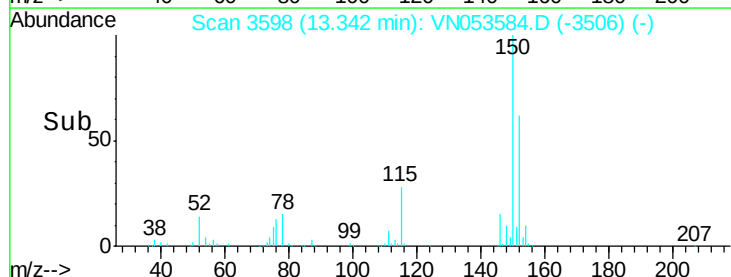
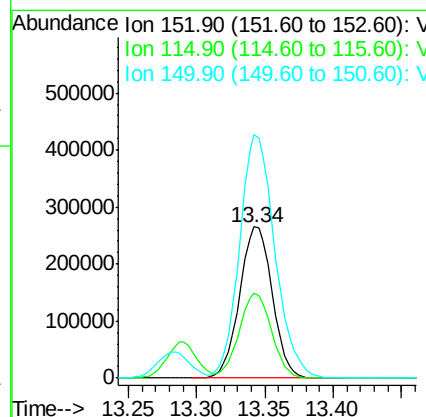
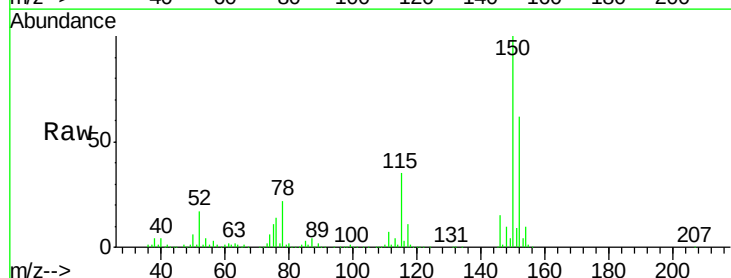
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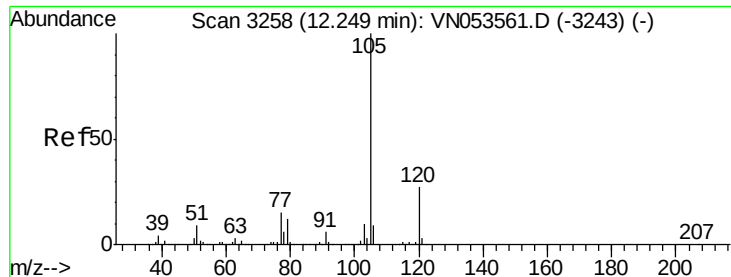
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	27.8	83.4
150	174.1	0.0	349.0





#73

Isopropylbenzene

Concen: 49.345 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 1529963

Ion Ratio Lower Upper

105 100

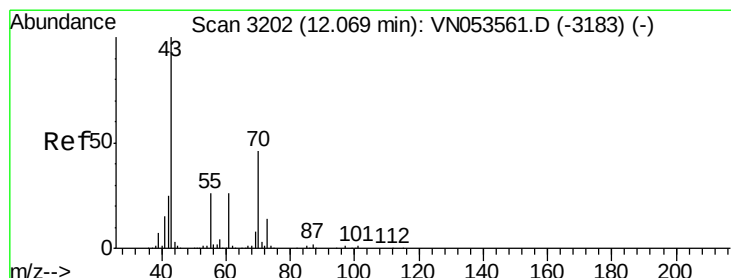
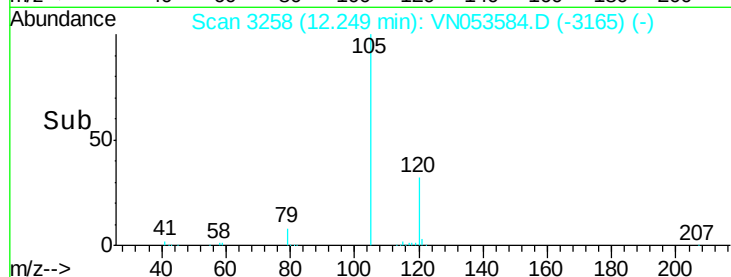
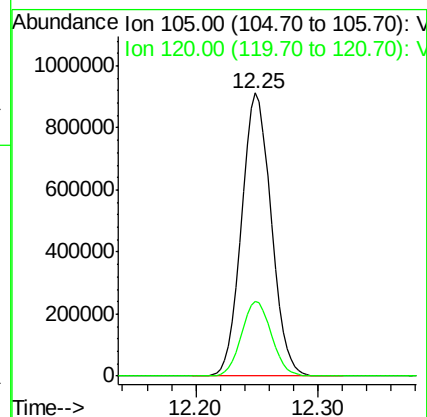
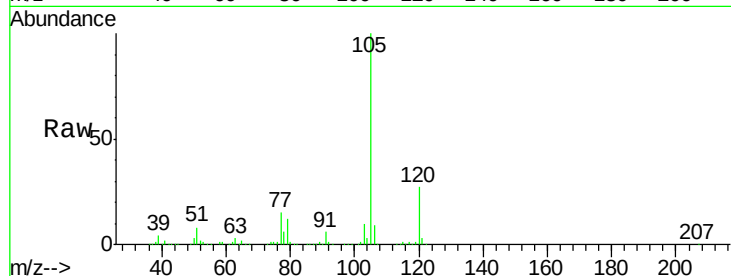
120 26.8 13.6 40.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 51.402 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Tgt Ion: 43 Resp: 383245

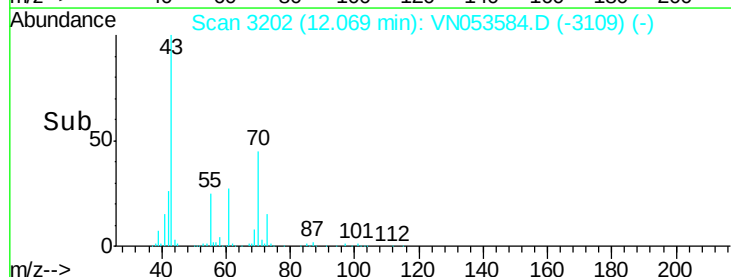
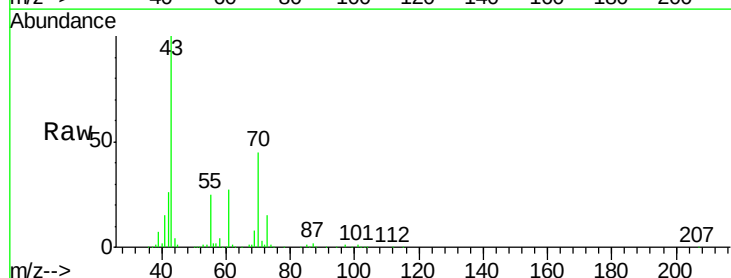
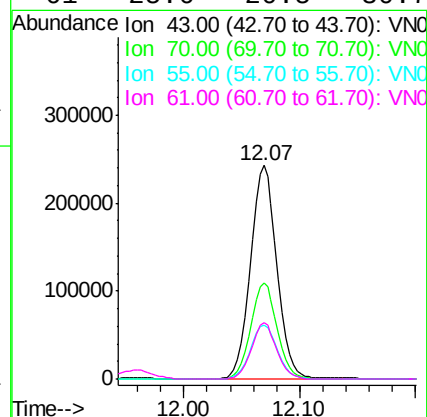
Ion Ratio Lower Upper

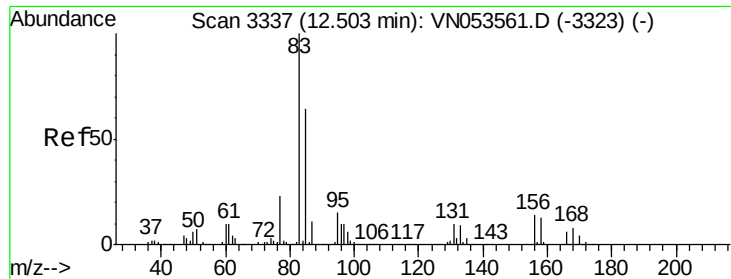
43 100

70 45.2 35.4 53.2

55 26.0 20.9 31.3

61 25.6 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 48.615 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 360746
Ion Ratio Lower Upper

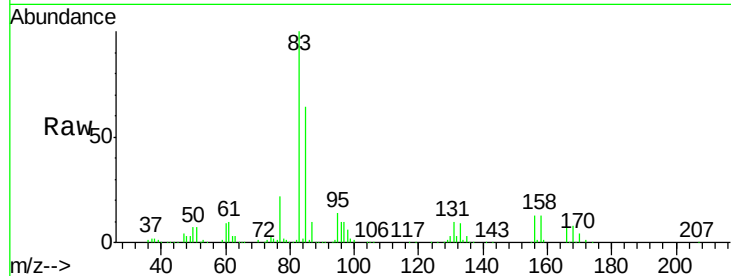
83 100

131 10.6 5.3 15.8

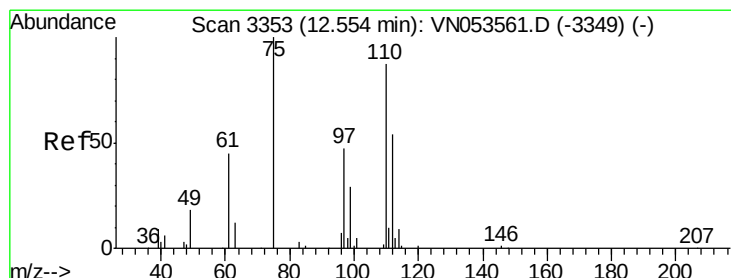
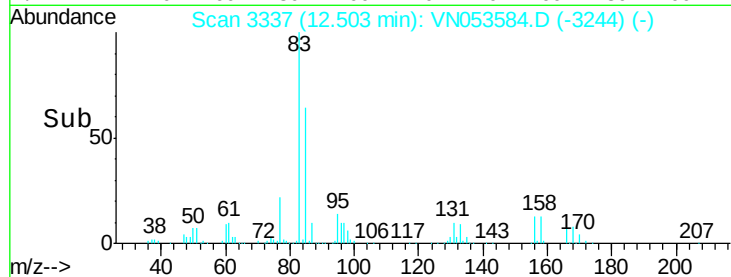
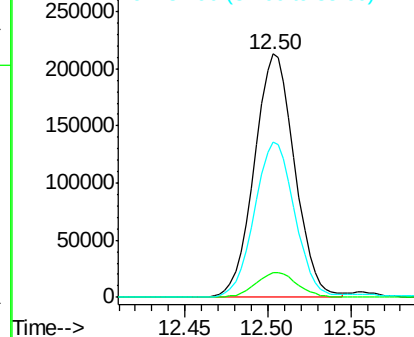
85 63.8 32.1 96.3

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Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 130.80 (130.50 to 131.50): VNC
Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 46.690 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

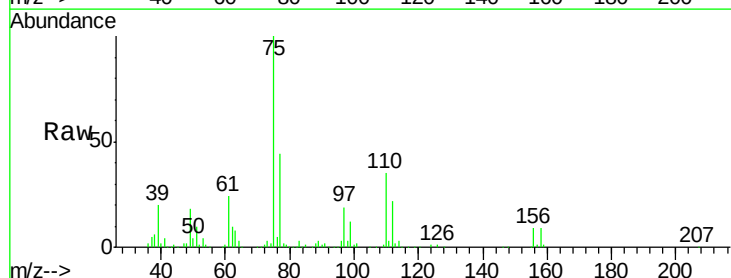
Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

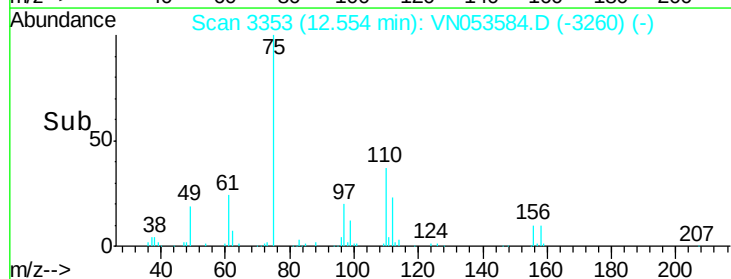
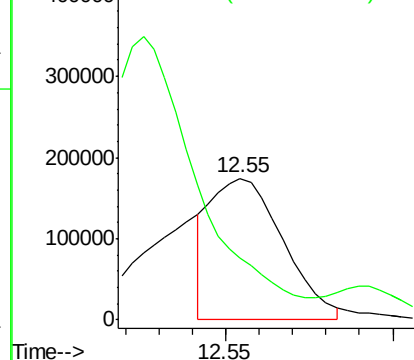
Tgt Ion: 75 Resp: 264502
Ion Ratio Lower Upper

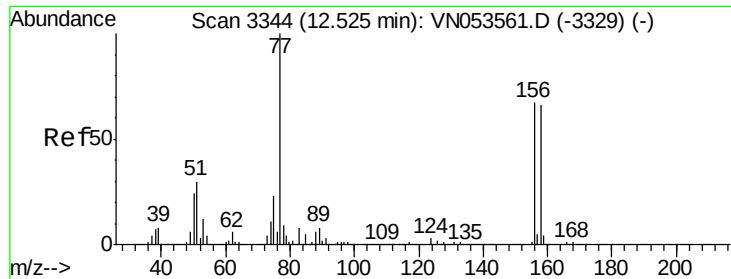
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC
Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 48.507 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Instrument :

MSVOA_N

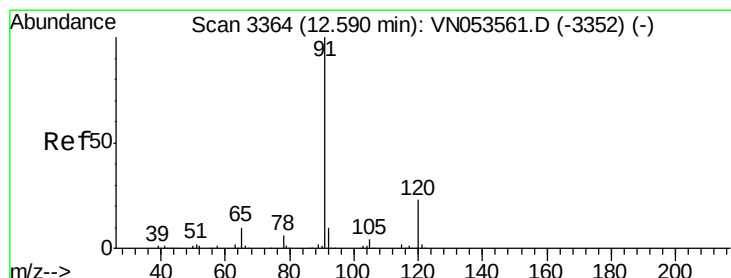
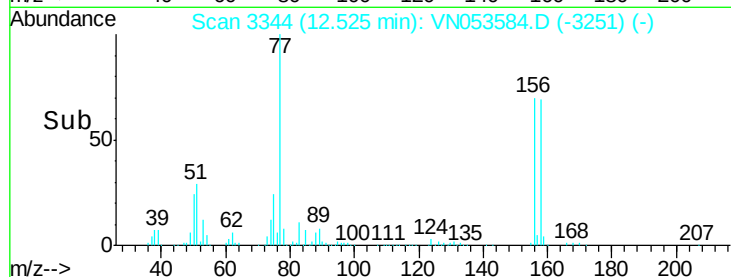
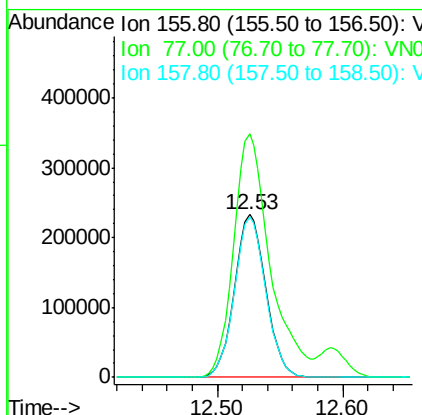
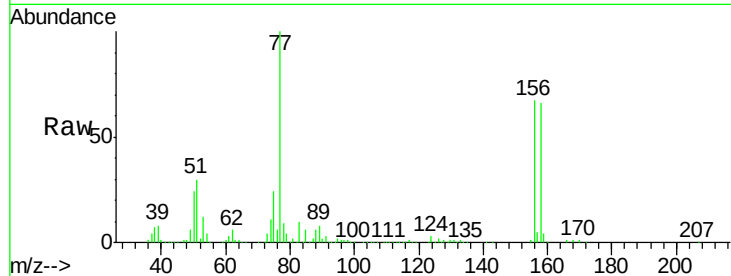
ClientSampleId :

VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
156	100		
77	174.5	87.9	263.8
158	98.0	48.8	146.4

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#78

n-propylbenzene

Concen: 49.449 ug/l

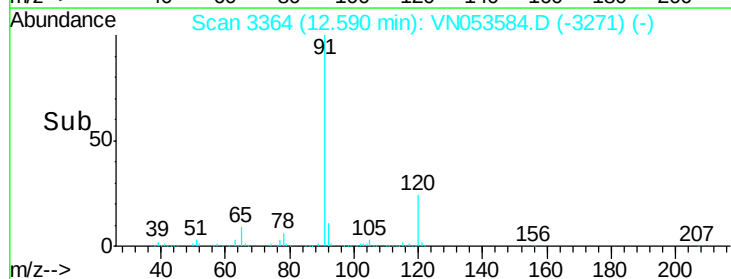
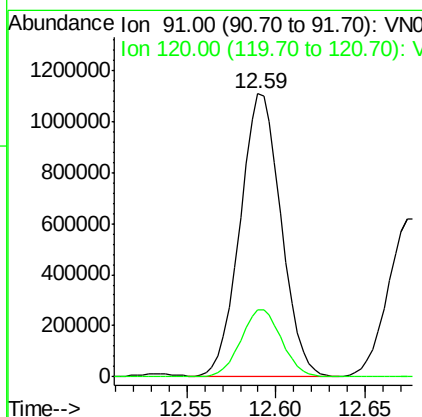
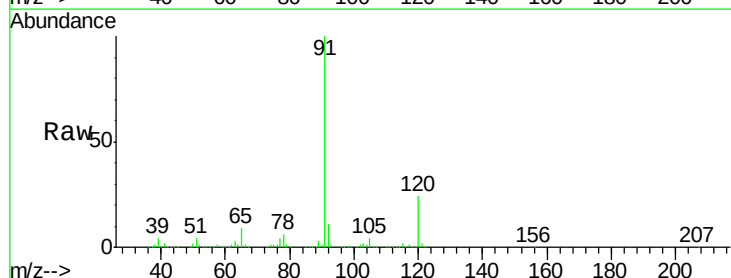
RT: 12.59 min Scan# 3364

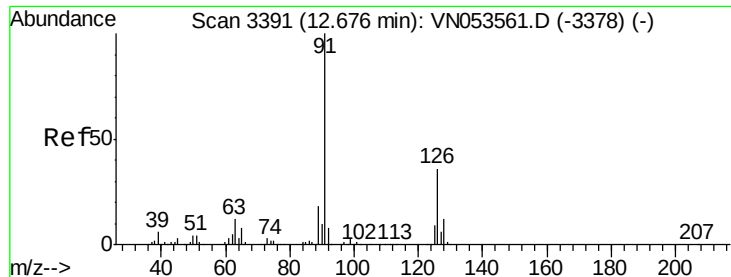
Delta R.T. 0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.9	35.5





#79

2-Chlorotoluene

Concen: 49.665 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 1056117

Ion Ratio Lower Upper

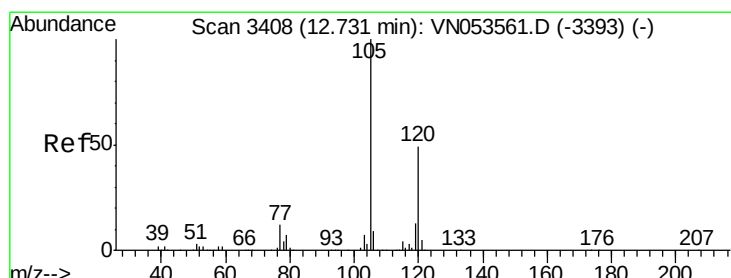
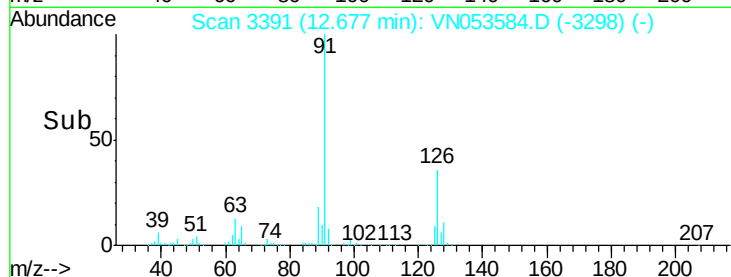
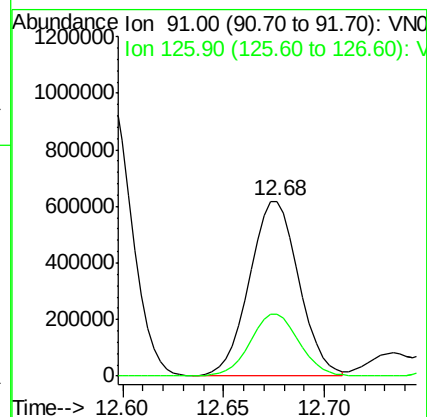
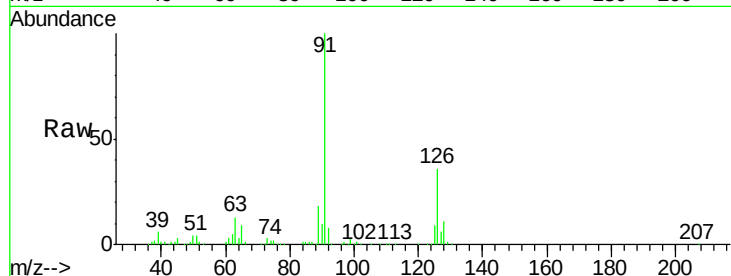
91 100

126 35.6 17.9 53.7

Manual Integrations
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2/4/2019 9:49:39 AM



#80

1,3,5-Trimethylbenzene

Concen: 51.009 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053584.D

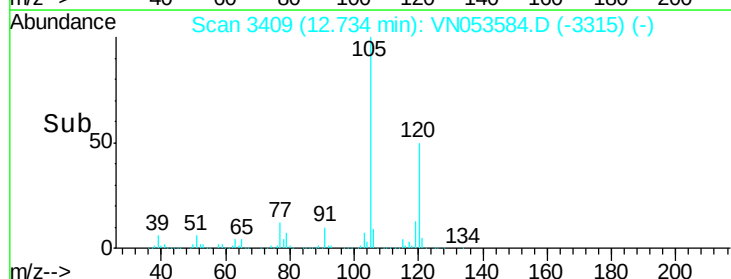
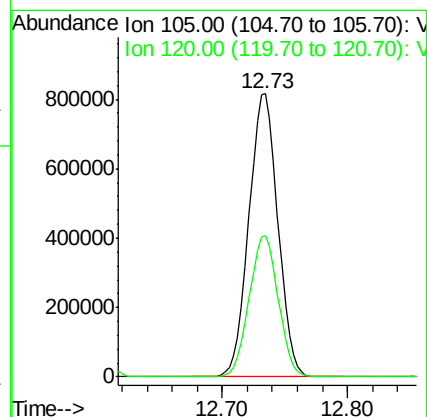
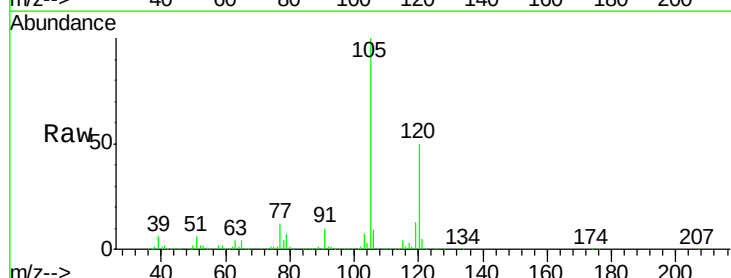
Acq: 1 Feb 2019 18:42

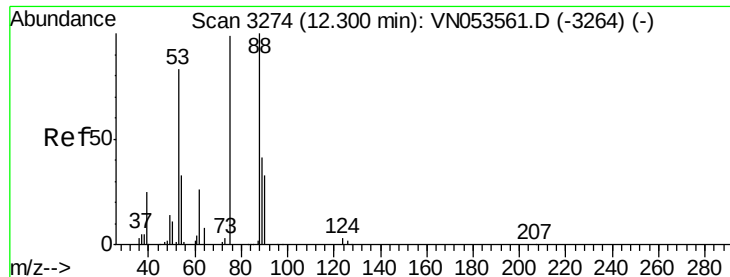
Tgt Ion: 105 Resp: 1311510

Ion Ratio Lower Upper

105 100

120 50.1 24.9 74.6





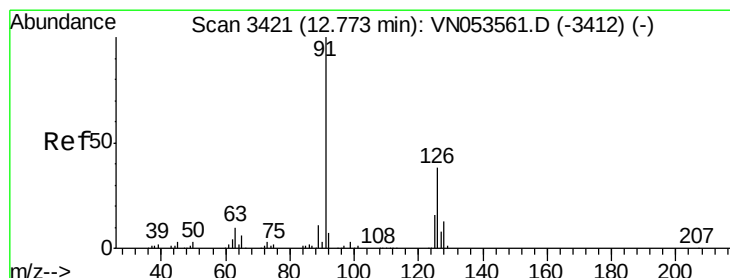
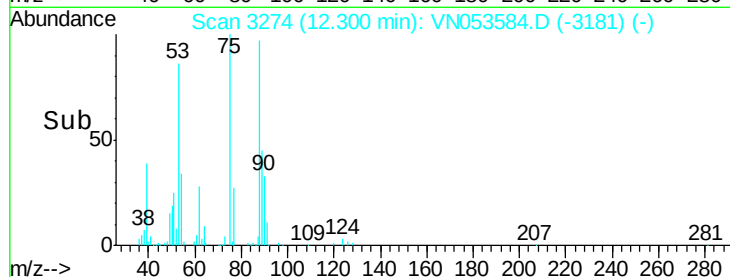
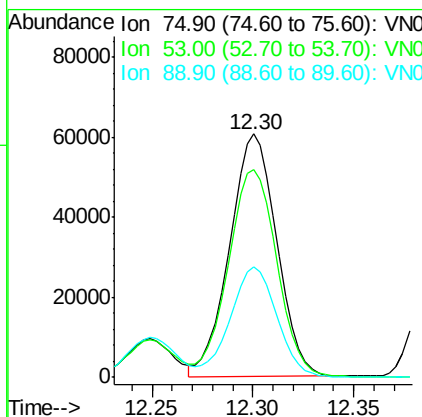
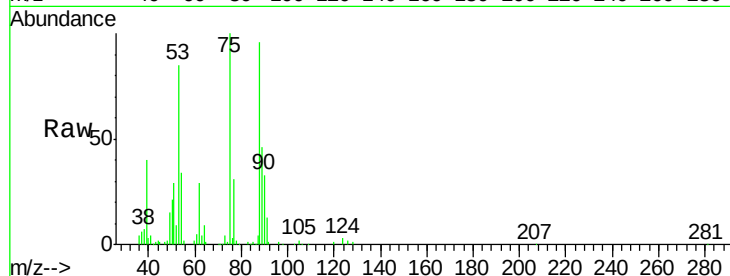
#81
trans-1,4-Dichloro-2-butene
Concen: 49.180 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
75	100		
53	89.4	69.8	104.6
89	45.4	35.6	53.4

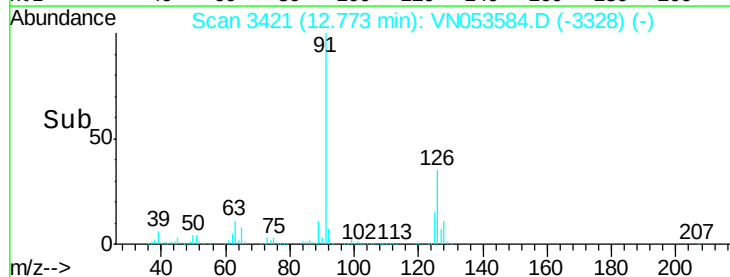
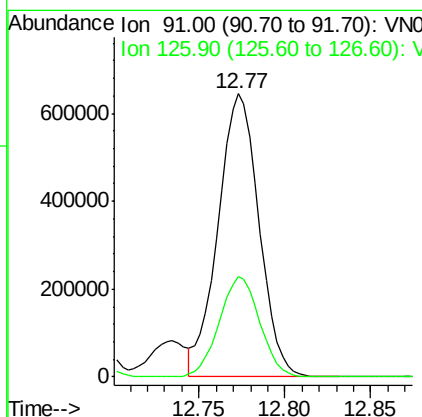
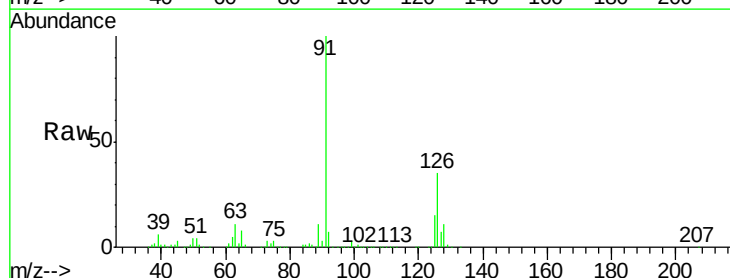
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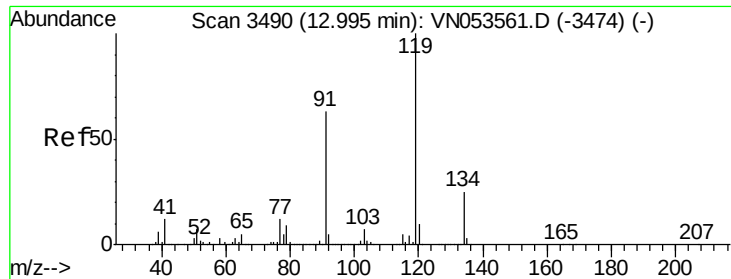
MMDadoda
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#82
4-Chlorotoluene
Concen: 48.752 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.6	52.9





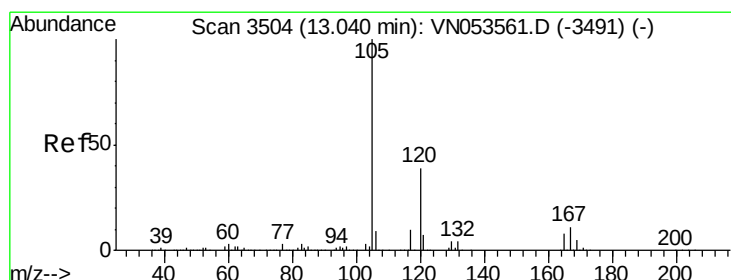
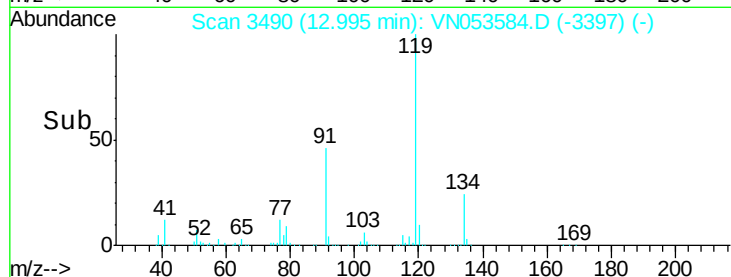
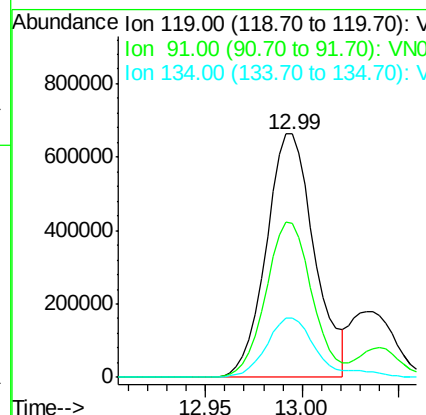
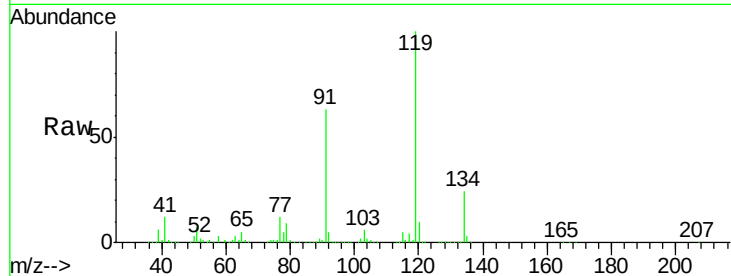
#83
 tert-Butylbenzene
 Concen: 50.589 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053584.D
 Acq: 1 Feb 2019 18:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:119 Resp: 1149606
 Ion Ratio Lower Upper
 119 100
 91 61.2 31.3 93.8
 134 25.9 12.9 38.7

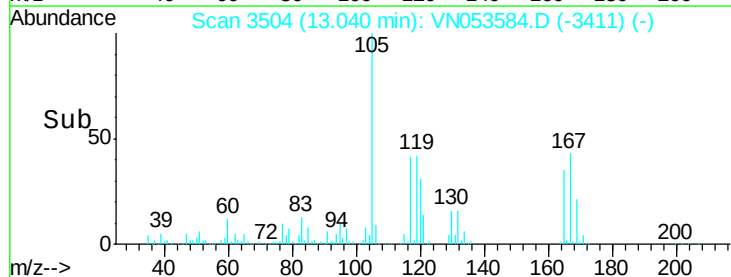
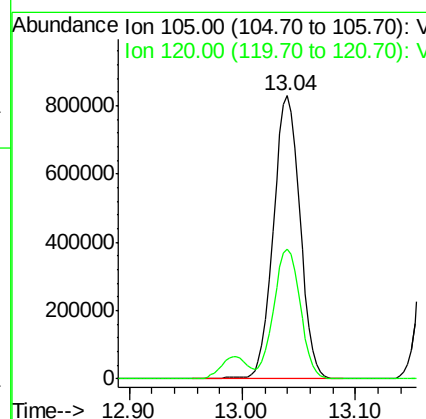
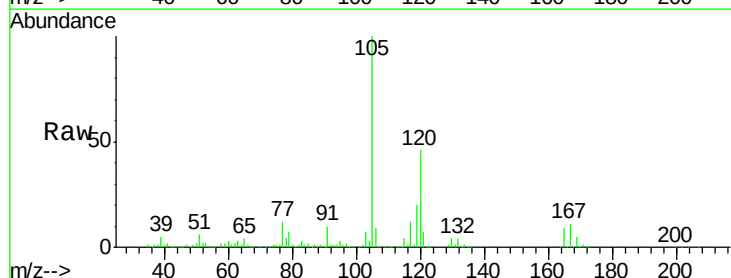
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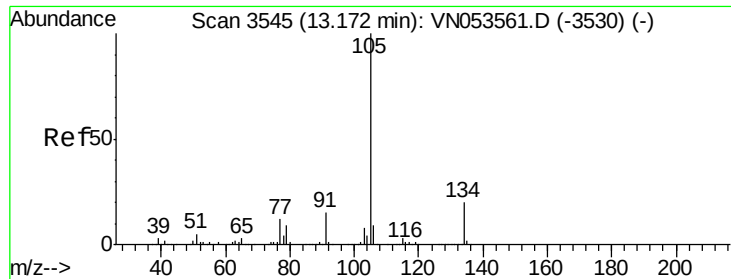
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.493 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053584.D
 Acq: 1 Feb 2019 18:42

Tgt Ion:105 Resp: 1348873
 Ion Ratio Lower Upper
 105 100
 120 45.9 23.0 69.0





#85

sec-Butylbenzene

Concen: 50.171 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:105 Resp: 1551457

Ion Ratio Lower Upper

105 100

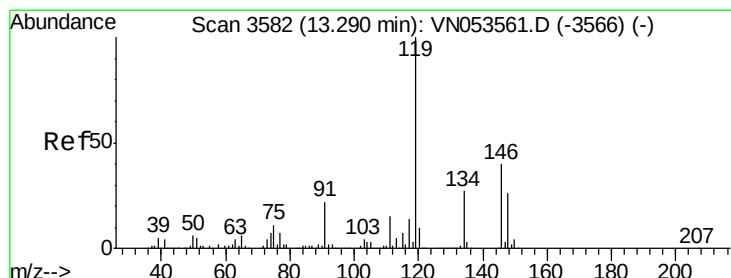
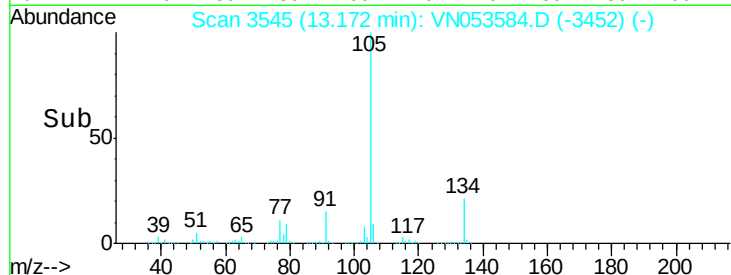
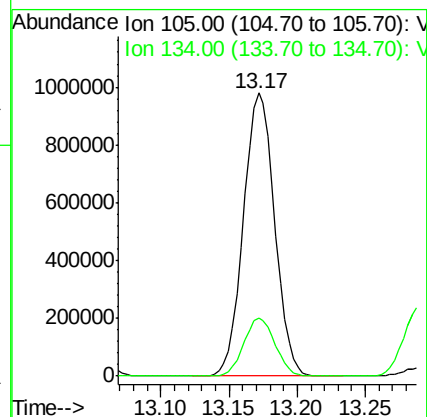
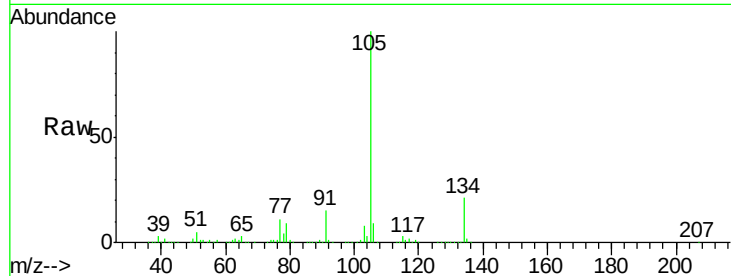
134 20.6 10.2 30.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 50.784 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

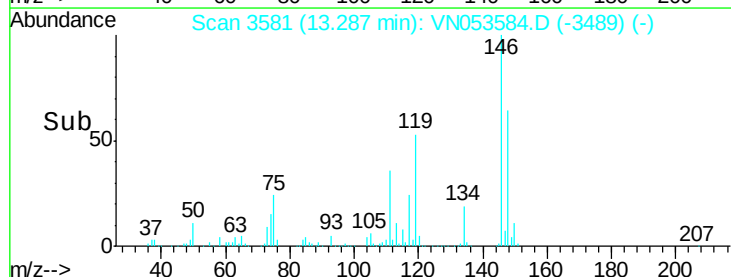
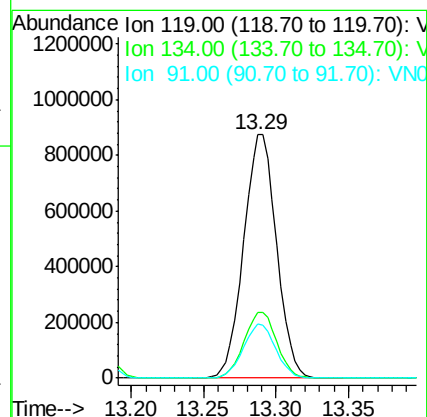
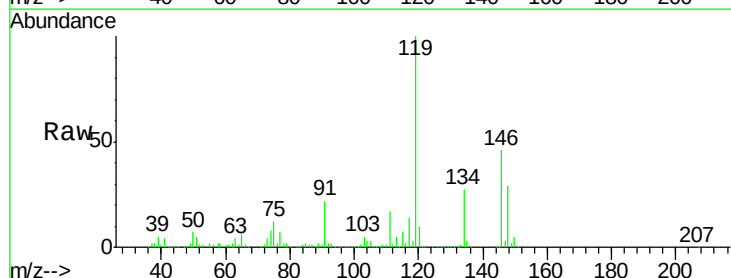
Tgt Ion:119 Resp: 1373467

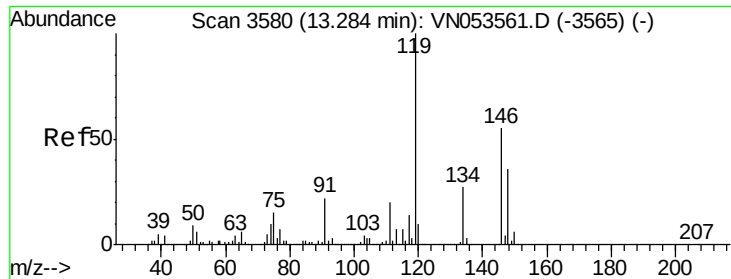
Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

91 21.9 11.0 33.0





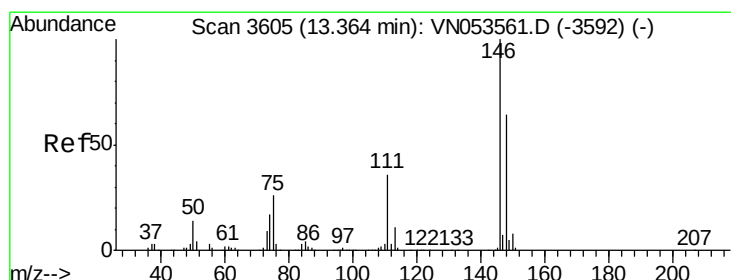
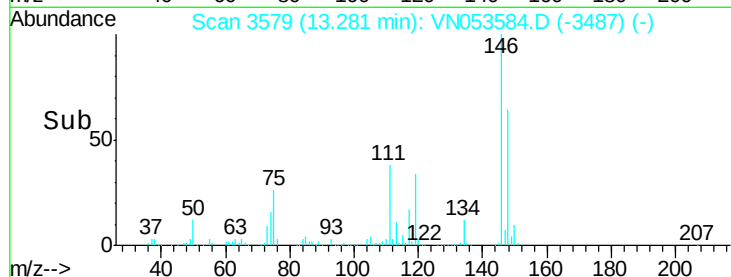
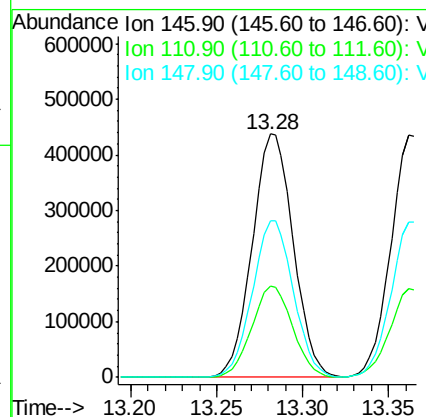
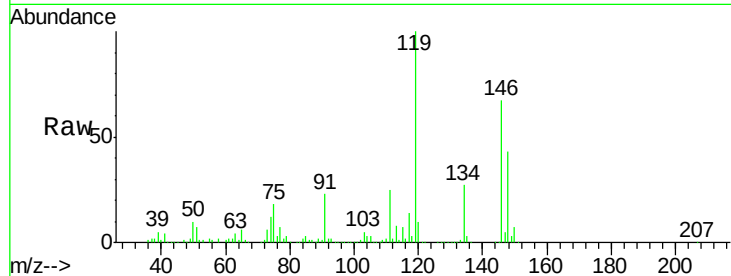
#87
 1,3-Dichlorobenzene
 Concen: 48.279 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN053584.D
 Acq: 1 Feb 2019 18:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	725235		
111	37.2	18.8	56.3	
148	64.0	32.0	96.2	

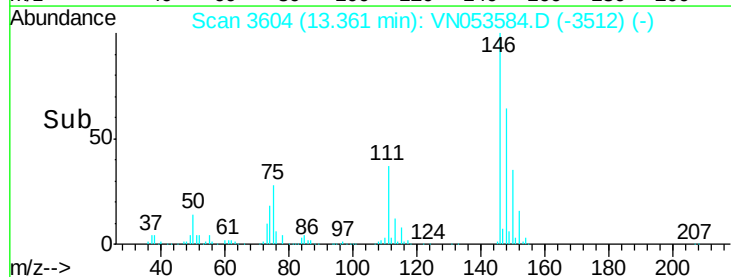
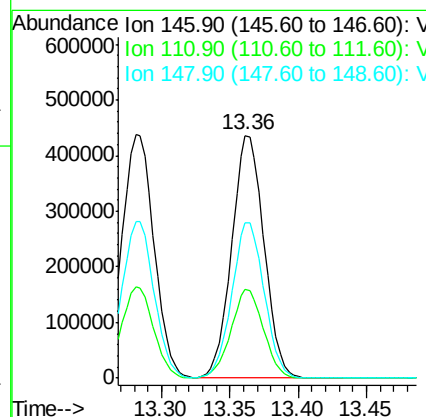
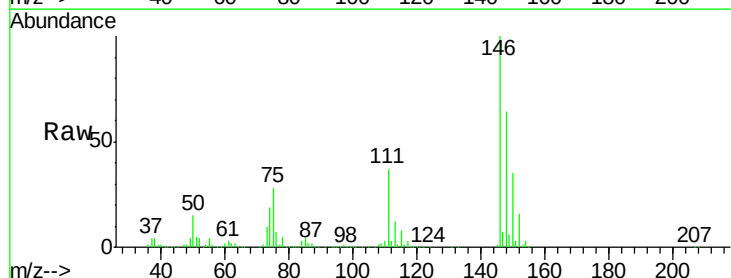
Manual Integrations
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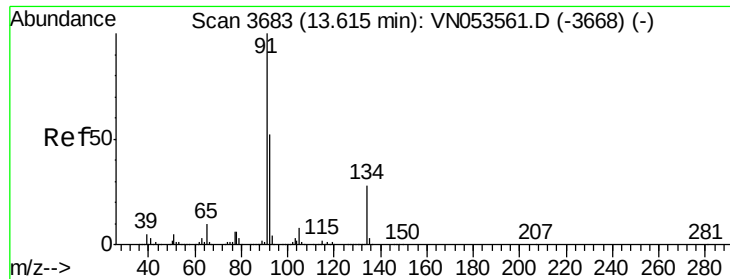
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#88
 1,4-Dichlorobenzene
 Concen: 48.298 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN053584.D
 Acq: 1 Feb 2019 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	717668		
111	36.6	18.6	55.8	
148	64.0	32.4	97.0	





#89

n-Butylbenzene

Concen: 49.929 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

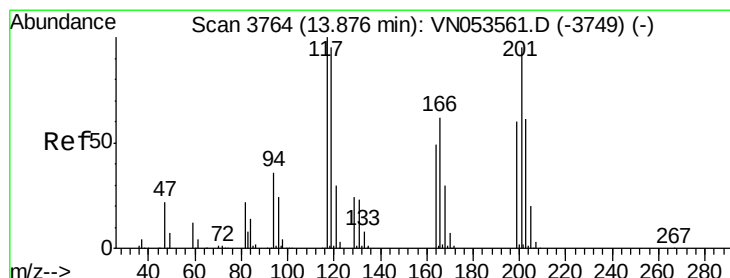
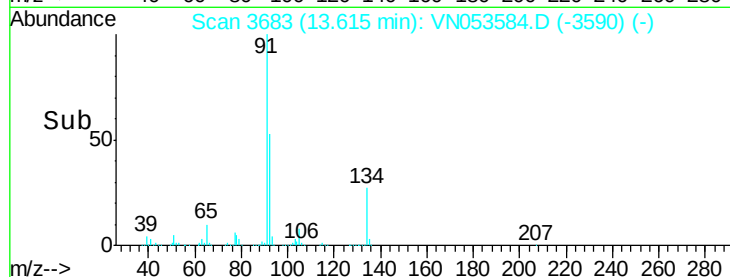
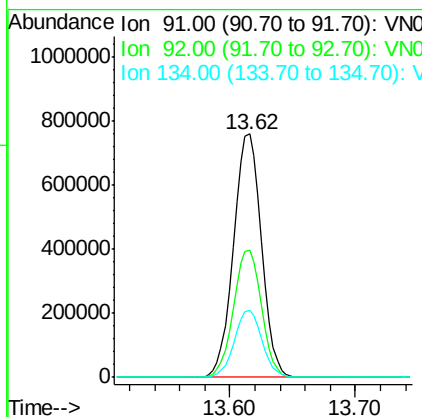
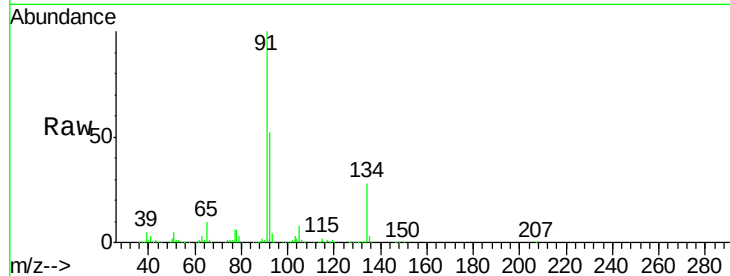
VSTDCCC050EC

Tgt Ion: 91 Resp: 1168792

Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.3	78.8
134	27.3	13.5	40.5

Manual Integrations
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#90

Hexachloroethane

Concen: 49.967 ug/l

RT: 13.87 min Scan# 3763

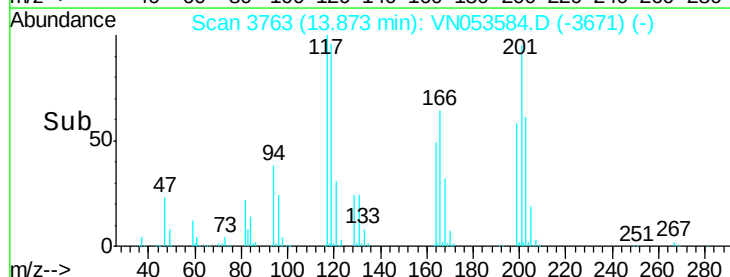
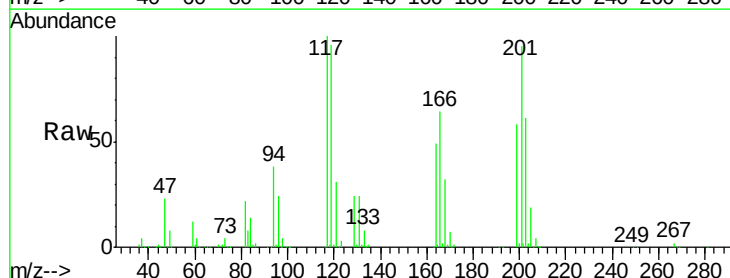
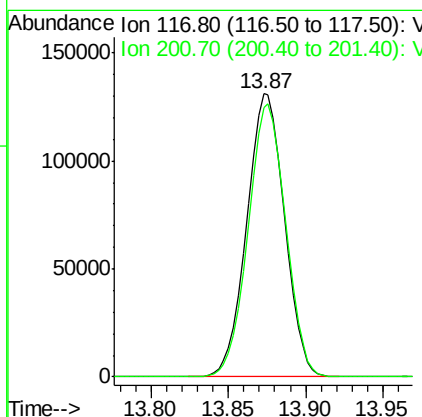
Delta R.T. -0.00 min

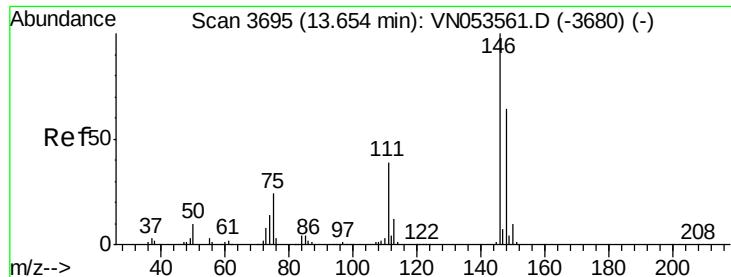
Lab File: VN053584.D

Acq: 1 Feb 2019 18:42

Tgt Ion: 117 Resp: 222905

Ion	Ratio	Lower	Upper
117	100		
201	95.8	46.8	140.4





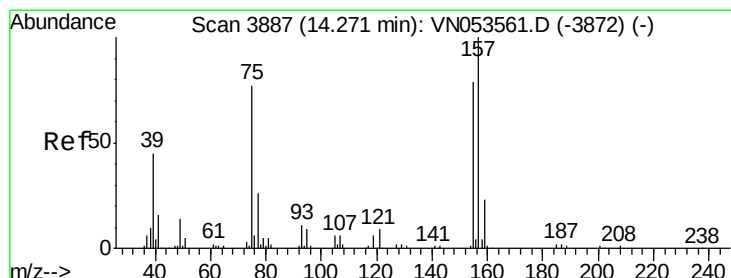
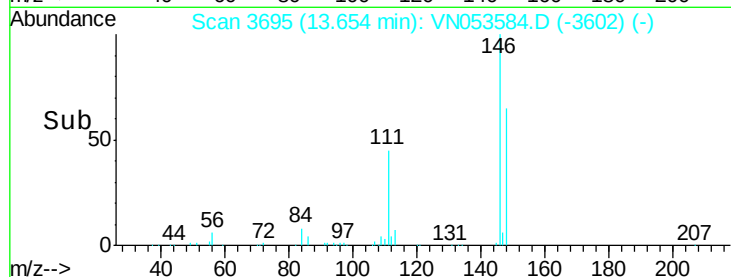
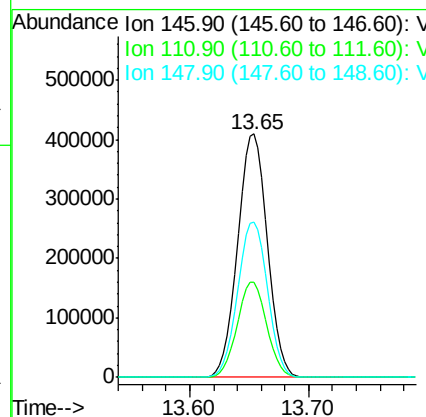
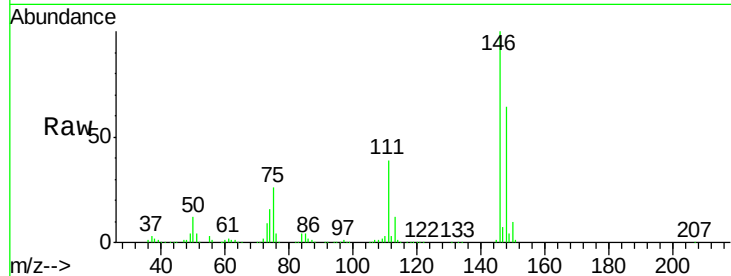
#91
 1,2-Dichlorobenzene
 Concen: 49.211 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053584.D
 Acq: 1 Feb 2019 18:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.5	58.5
148	64.2	31.9	95.9

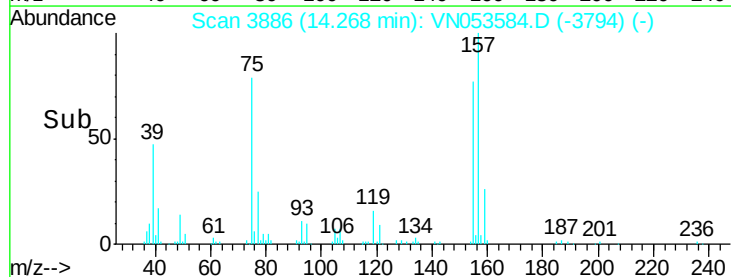
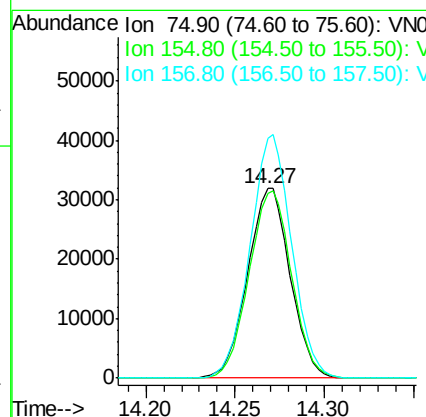
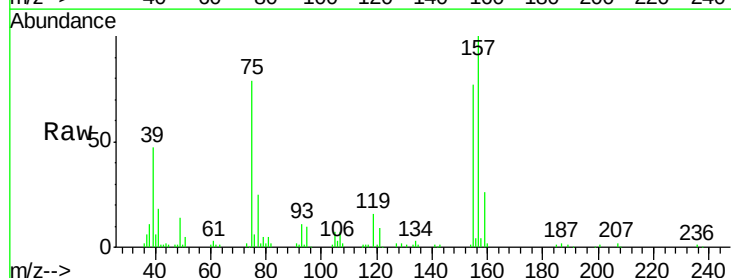
Manual Integrations
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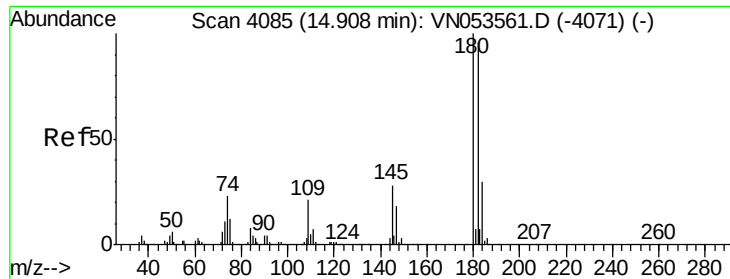
MMDadoda
 2/4/2019 9:49:39 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.408 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053584.D
 Acq: 1 Feb 2019 18:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.7	48.9	146.7
157	125.6	63.7	191.3





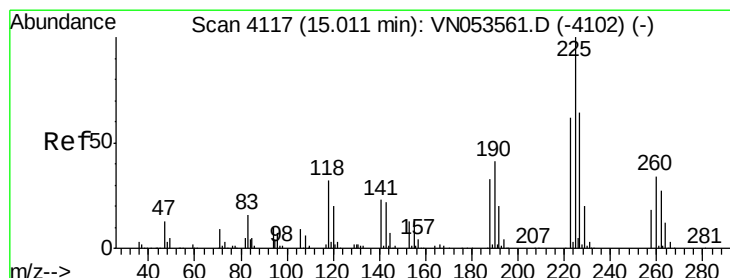
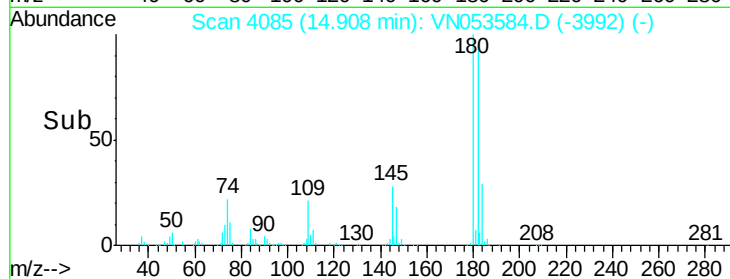
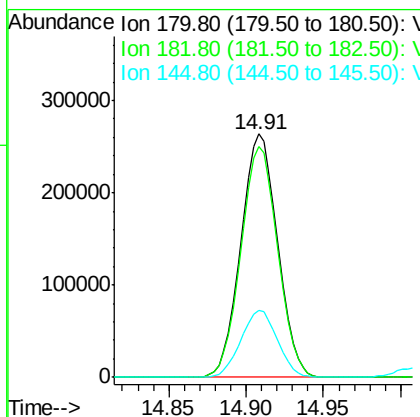
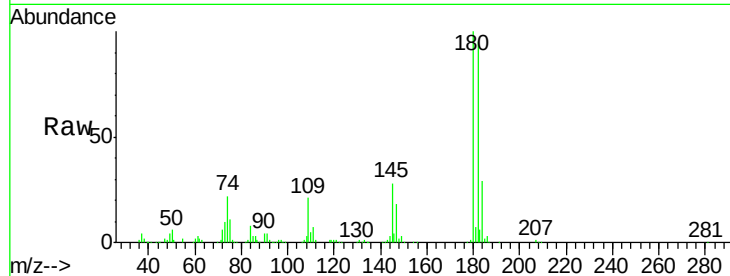
#93
 1,2,4-Trichlorobenzene
 Concen: 52.660 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053584.D
 Acq: 1 Feb 2019 18:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	434334		
182	95.3	48.1	144.3	
145	27.5	13.9	41.6	

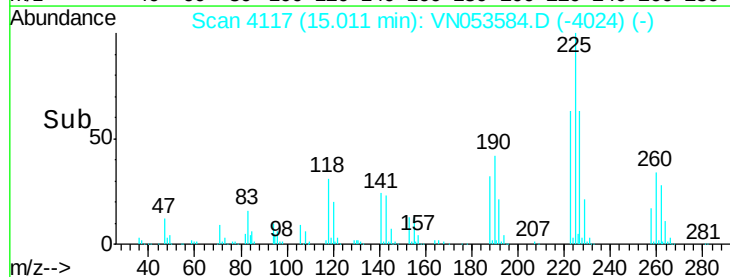
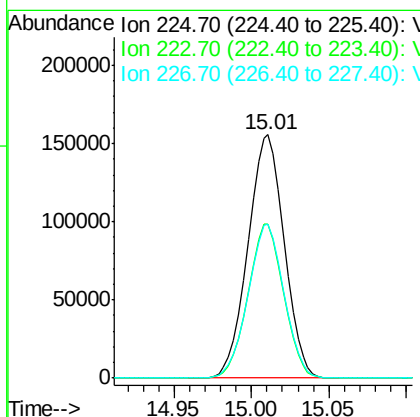
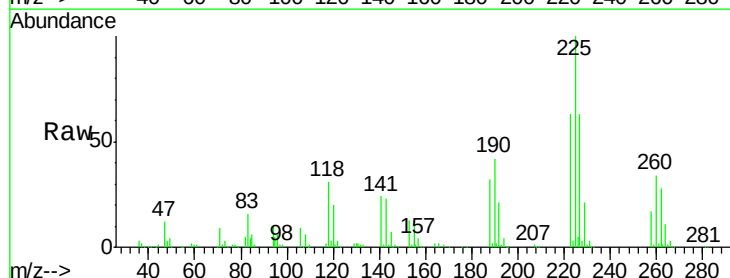
Manual Integrations
 APPROVED

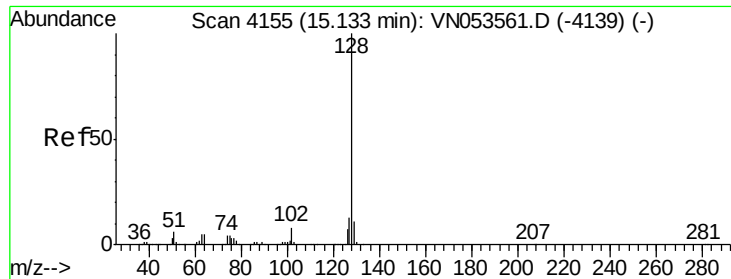
MMDadoda
 2/4/2019 9:49:39 AM



#94
 Hexachlorobutadiene
 Concen: 49.494 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053584.D
 Acq: 1 Feb 2019 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	254226		
223	62.2	31.1	93.2	
227	62.4	32.0	96.2	





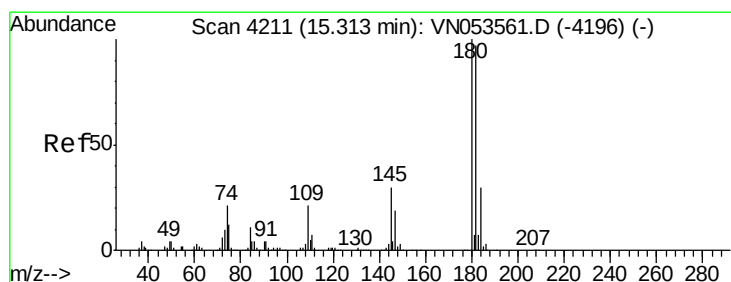
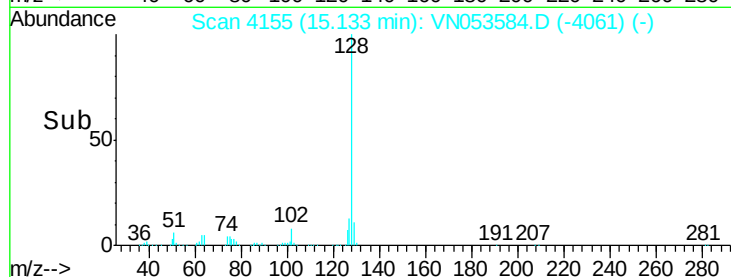
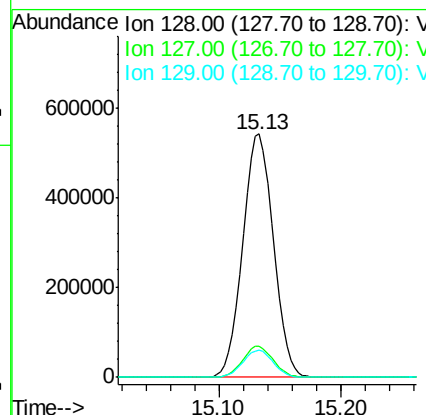
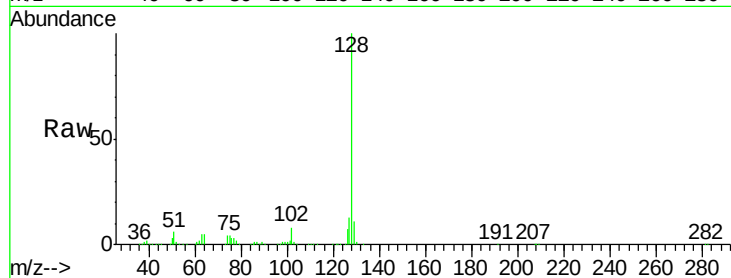
#95
Naphthalene
Concen: 48.484 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	938318		
127	12.6	10.3	15.5	
129	10.9	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
2/4/2019 9:49:39 AM



#96
1,2,3-Trichlorobenzene
Concen: 52.990 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053584.D
Acq: 1 Feb 2019 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	405530		
182	95.7	47.9	143.8	
145	29.3	14.7	44.1	

