

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040219\
 Data File : VN054890.D
 Acq On : 2 Apr 2019 9:31
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/3/2019 10:43:46 AM

Quant Time: Apr 03 05:15:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	461658	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	728721	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	639655	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	291740	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	291401	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	
35) Dibromofluoromethane	7.59	113	236541	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
50) Toluene-d8	10.09	98	894894	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
62) 4-Bromofluorobenzene	12.40	95	311820	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	213965	45.820	ug/l	97
3) Chloromethane	2.06	50	291625	45.166	ug/l	99
4) Vinyl Chloride	2.19	62	265119	45.724	ug/l	98
5) Bromomethane	2.57	94	147683	48.514	ug/l	99
6) Chloroethane	2.71	64	147288	45.491	ug/l	96
7) Trichlorofluoromethane	3.02	101	339901	47.682	ug/l	99
8) Diethyl Ether	3.41	74	110685	48.221	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	3.75	101	186860	49.794	ug/l	94
10) Methyl Iodide	3.94	142	244494	47.593	ug/l #	88
11) Tert butyl alcohol	4.82	59	80354	247.820	ug/l	98
12) 1,1-Dichloroethene	3.73	96	173774	47.886	ug/l #	72
13) Acrolein	3.61	56	71303	245.984	ug/l	98
14) Allyl chloride	4.32	41	424491	47.490	ug/l #	91
15) Acrylonitrile	4.99	53	441189	244.799	ug/l	100
16) Acetone	3.82	43	454746	306.426	ug/l #	83
17) Carbon Disulfide	4.04	76	537201	45.641	ug/l	99
18) Methyl Acetate	4.33	43	198802	51.458	ug/l #	89
19) Methyl tert-butyl Ether	5.05	73	610539	48.097	ug/l	95
20) Methylene Chloride	4.55	84	245148	46.831	ug/l #	83
21) trans-1,2-Dichloroethene	5.04	96	223416	46.872	ug/l #	81
22) Diisopropyl ether	5.96	45	871004	49.268	ug/l #	93
23) Vinyl Acetate	5.90	43	3079107	250.278	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	452473	47.979	ug/l	98
25) 2-Butanone	6.84	43	608556	277.413	ug/l #	89
26) 2,2-Dichloropropane	6.82	77	336509	50.911	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	261252	48.518	ug/l	87
28) Bromochloromethane	7.19	49	241454	51.203	ug/l #	70
29) Tetrahydrofuran	7.22	42	361988	237.584	ug/l #	84
30) Chloroform	7.37	83	441118	49.054	ug/l	100
31) Cyclohexane	7.65	56	428479	49.858	ug/l	88
32) 1,1,1-Trichloroethane	7.57	97	368901	49.502	ug/l	96
36) 1,1-Dichloropropene	7.79	75	338205	49.807	ug/l	95
37) Ethyl Acetate	6.94	43	242509	48.702	ug/l	96
38) Carbon Tetrachloride	7.77	117	321379	48.729	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	382269	51.207	ug/l	89
40) Benzene	8.04	78	986055	50.750	ug/l	99
41) Methacrylonitrile	7.18	41	143490	51.297	ug/l	89
42) 1,2-Dichloroethane	8.12	62	346102	49.888	ug/l	97
43) Isopropyl Acetate	8.17	43	420288	51.945	ug/l #	93
44) Trichloroethene	8.83	130	256387	50.833	ug/l	95
45) 1,2-Dichloropropane	9.12	63	275090	49.654	ug/l	99
46) Dibromomethane	9.21	93	154701	49.638	ug/l	89
47) Bromodichloromethane	9.40	83	341505	52.725	ug/l	95
48) Methyl methacrylate	9.20	41	216159	49.285	ug/l	87
49) 1,4-Dioxane	9.20	88	45039	1034.953	ug/l #	80
51) 4-Methyl-2-Pentanone	9.99	43	1198931	263.563	ug/l	92
52) Toluene	10.16	92	596203	51.569	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	325715	53.459	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	396828	54.523	ug/l	91
55) 1,1,2-Trichloroethane	10.56	97	215312	50.085	ug/l	96
56) Ethyl methacrylate	10.43	69	288685	51.192	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	377682	51.102	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	537006	222.262	ug/l #	88
59) 2-Hexanone	10.75	43	794461	272.819	ug/l	91
60) Dibromochloromethane	10.90	129	232439	53.376	ug/l	99
61) 1,2-Dibromoethane	11.00	107	209411	50.973	ug/l	100
64) Tetrachloroethene	10.63	164	244820	49.876	ug/l	98
65) Chlorobenzene	11.43	112	626011	49.986	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	236670	50.488	ug/l	99
67) Ethyl Benzene	11.51	91	1149225	50.851	ug/l	97
68) m/p-Xylenes	11.62	106	852832	101.973	ug/l	94
69) o-Xylene	11.95	106	409271	49.905	ug/l	94
70) Styrene	11.96	104	692492	52.810	ug/l	97
71) Bromoform	12.13	173	146493	53.344	ug/l #	100
73) Isopropylbenzene	12.25	105	1100227	46.140	ug/l	97
74) N-amyl acetate	12.07	43	353010	47.518	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	269177	51.250	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	236281m	46.620	ug/l	
77) Bromobenzene	12.53	156	271812	47.230	ug/l	86
78) n-propylbenzene	12.59	91	1264624	48.252	ug/l	97
79) 2-Chlorotoluene	12.67	91	758329	46.768	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	927359	47.396	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	63306	48.586	ug/l	87
82) 4-Chlorotoluene	12.77	91	756444	48.031	ug/l	95
83) tert-Butylbenzene	12.99	119	779021	51.446	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	909055	48.767	ug/l	98
85) sec-Butylbenzene	13.17	105	1027649	48.349	ug/l	96
86) p-Isopropyltoluene	13.29	119	913083	48.706	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	466871	48.454	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	453661	48.005	ug/l	99
89) n-Butylbenzene	13.61	91	768392	50.238	ug/l	97
90) Hexachloroethane	13.87	117	153385	48.191	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	459209	47.223	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	38821	47.622	ug/l	85

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VSTDCCC050

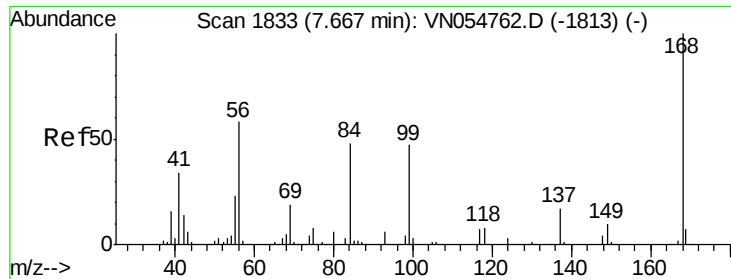
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	228912	48.828	ug/l	98
94) Hexachlorobutadiene	15.01	225	145213	52.403	ug/l	100
95) Naphthalene	15.13	128	487900	46.402	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	227306	48.009	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 461658

Ion Ratio Lower Upper

168 100

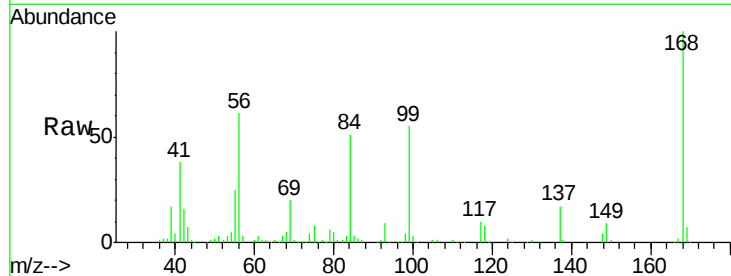
99 54.5 37.1 55.7

Manual Integrations

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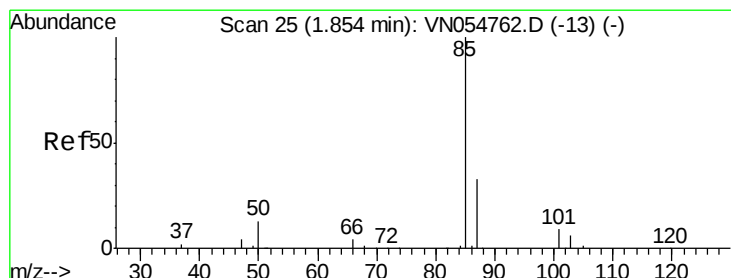
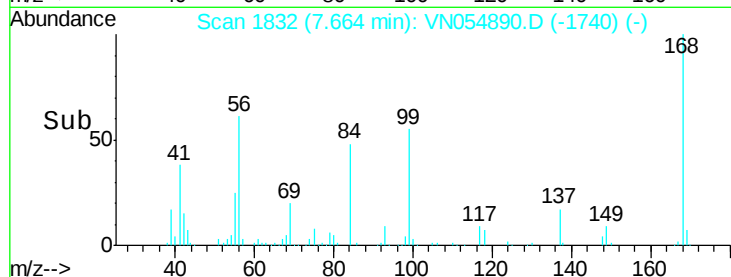
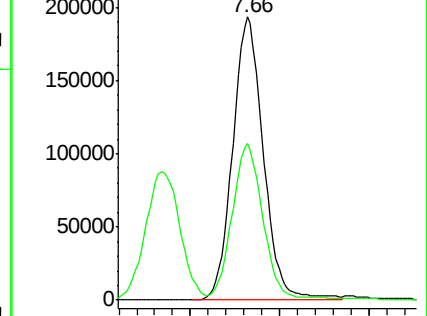
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 45.820 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054890.D

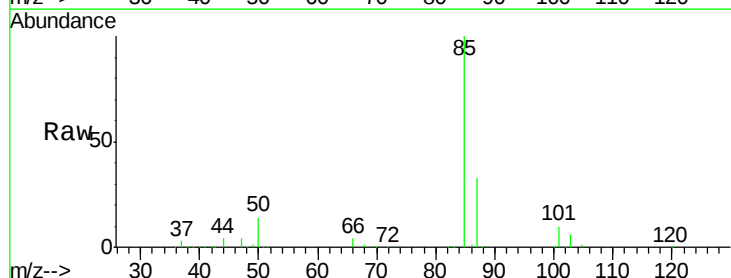
Acq: 2 Apr 2019 9:31

Tgt Ion: 85 Resp: 213965

Ion Ratio Lower Upper

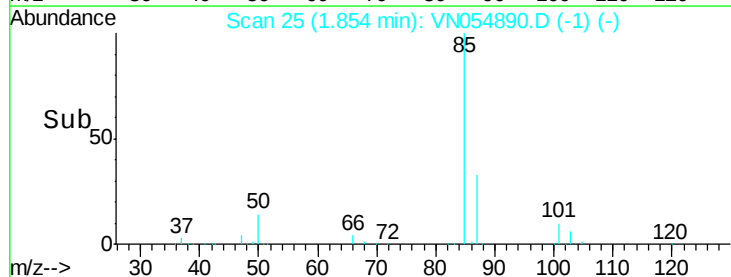
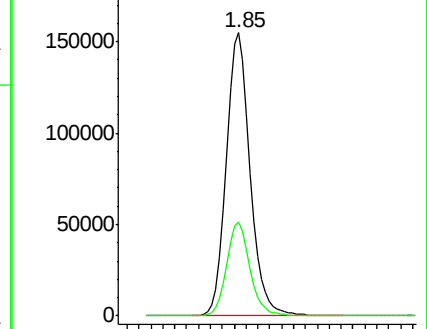
85 100

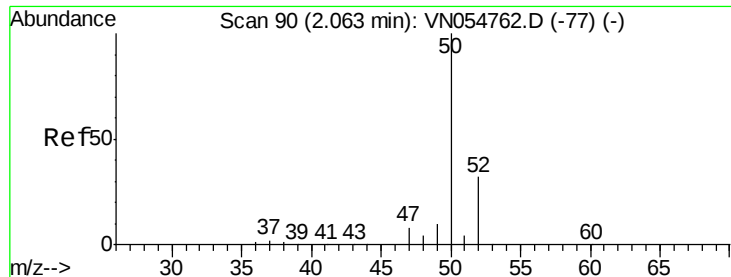
87 33.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 45.166 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 291625

Ion Ratio Lower Upper

50 100

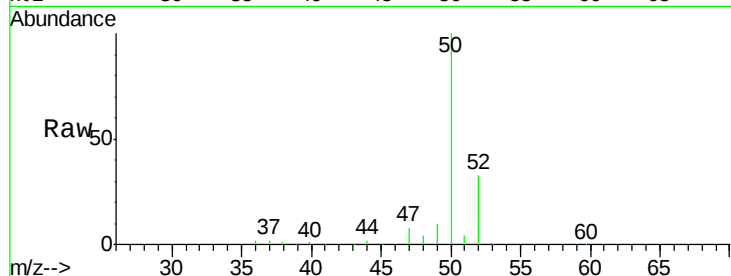
52 33.3 26.4 39.6

Manual Integrations

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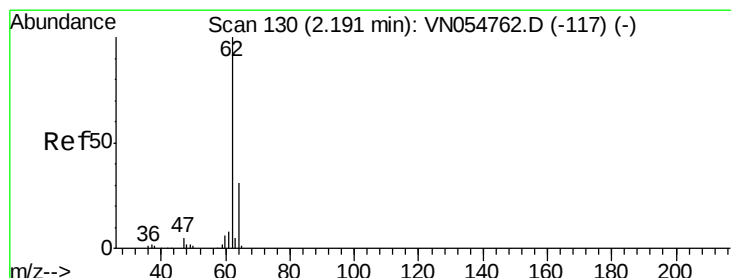
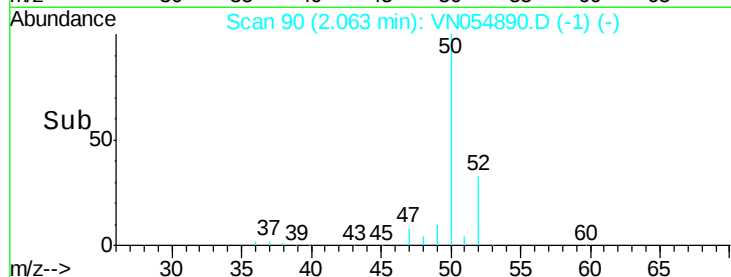
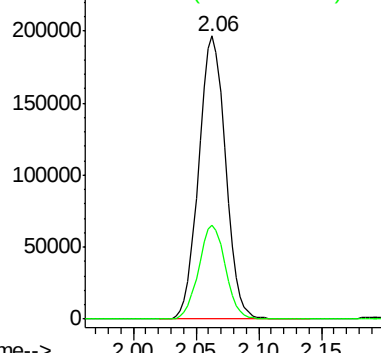
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 45.724 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054890.D

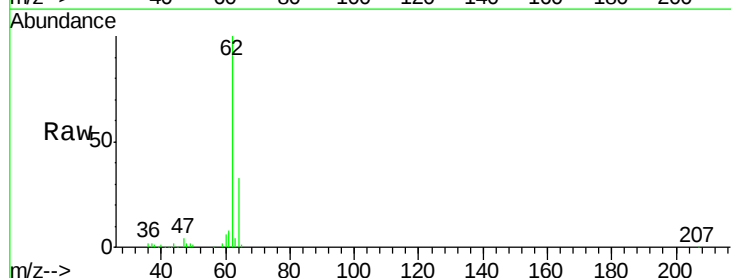
Acq: 2 Apr 2019 9:31

Tgt Ion: 62 Resp: 265119

Ion Ratio Lower Upper

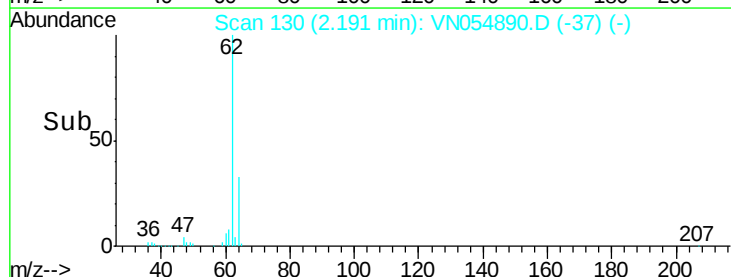
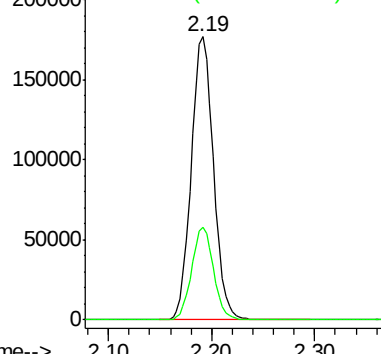
62 100

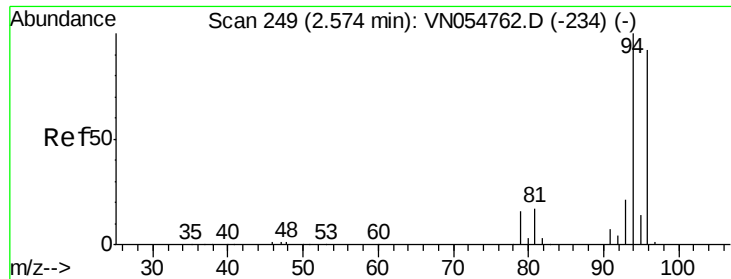
64 32.9 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 48.514 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 94 Resp: 147683

Ion Ratio Lower Upper

94 100

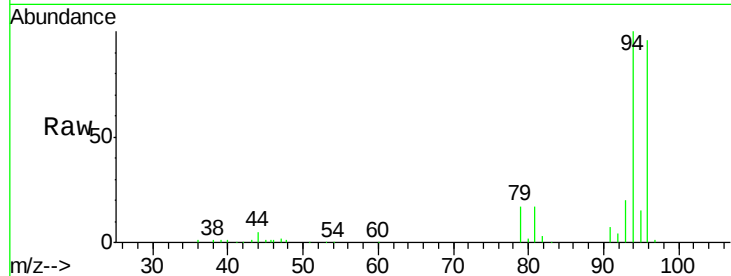
96 95.6 77.0 115.4

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

80000

60000

40000

20000

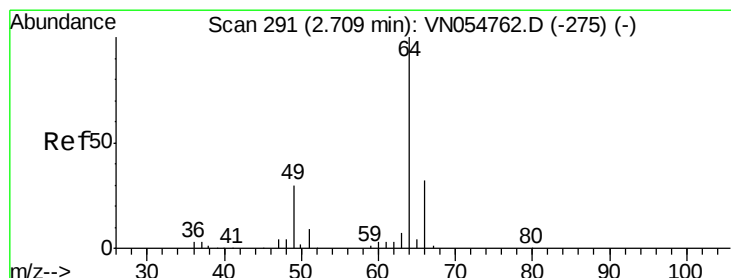
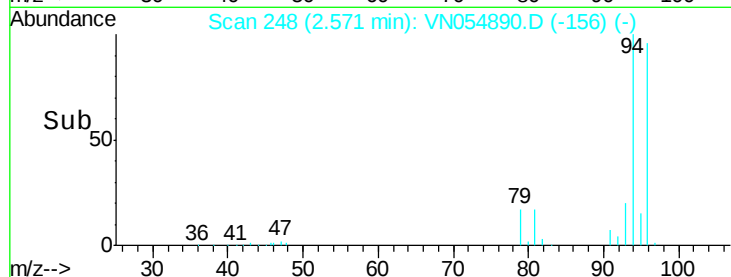
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Time-->

2.50

2.60

2.70



#6

Chloroethane

Concen: 45.491 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054890.D

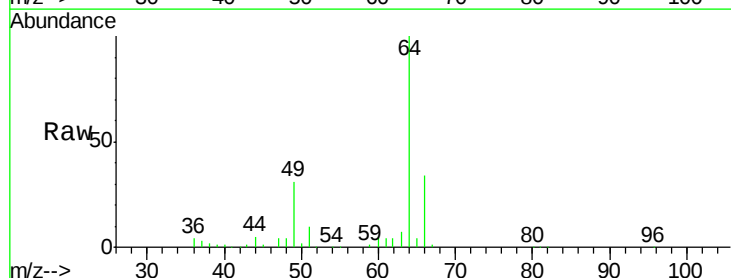
Acq: 2 Apr 2019 9:31

Tgt Ion: 64 Resp: 147288

Ion Ratio Lower Upper

64 100

66 34.4 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

80000

60000

40000

20000

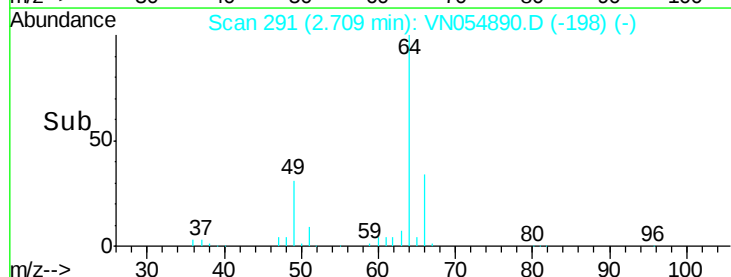
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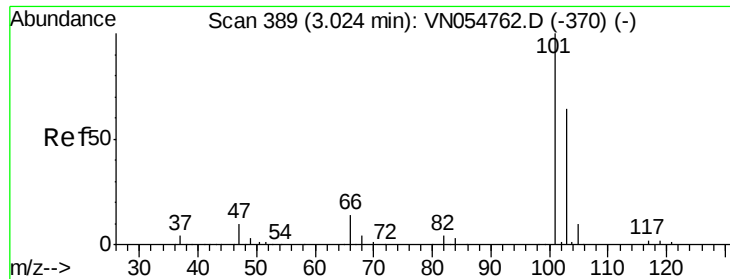
Time-->

2.60

2.70

2.80





#7

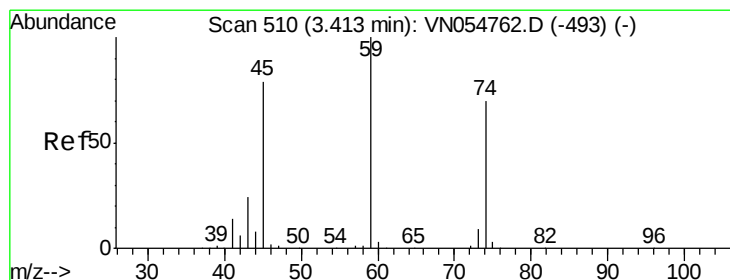
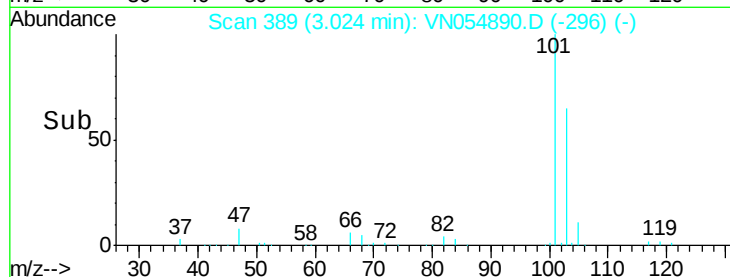
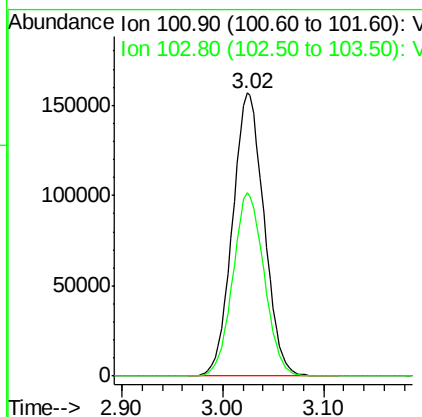
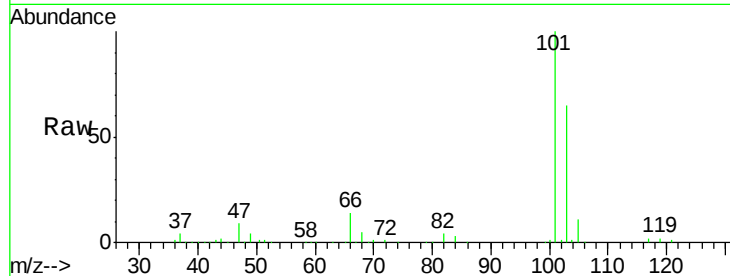
Trichlorofluoromethane
Concen: 47.682 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Instrument :
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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.4	77.2

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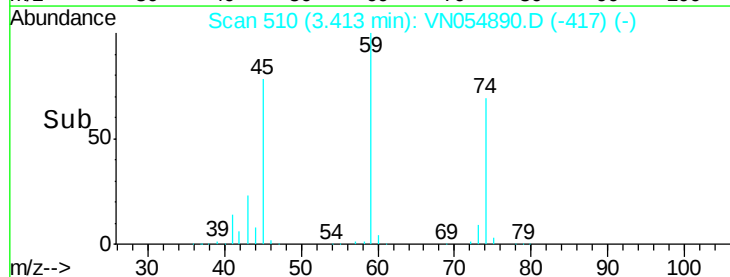
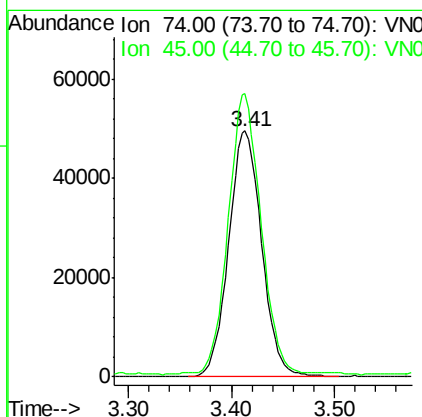
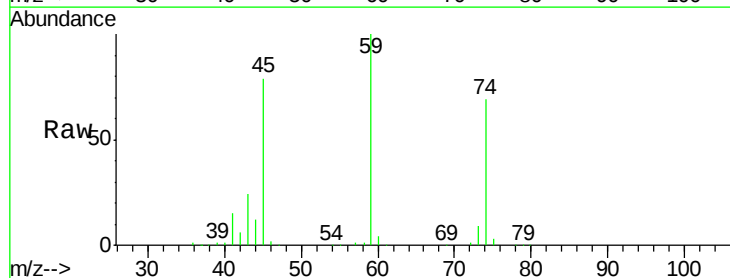
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4/3/2019 10:43:46 AM

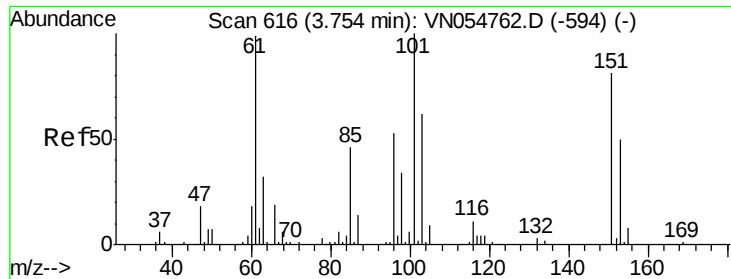


#8

Diethyl Ether
Concen: 48.221 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	113.2	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.794 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Instrument :

MSVOA_N

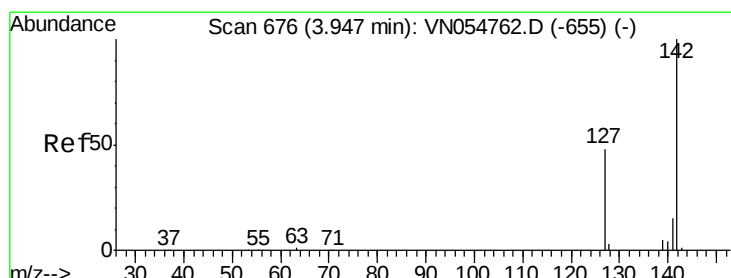
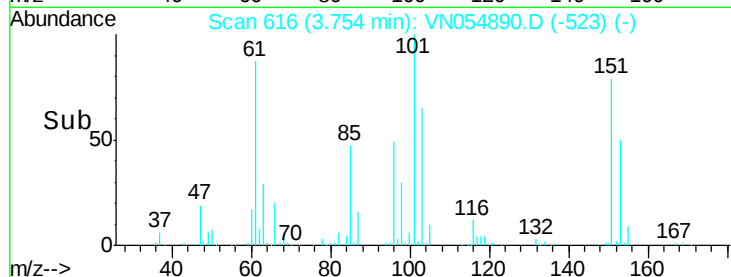
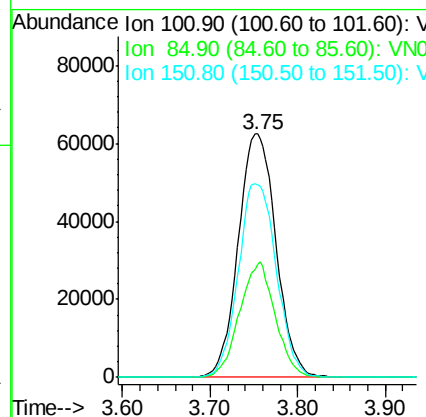
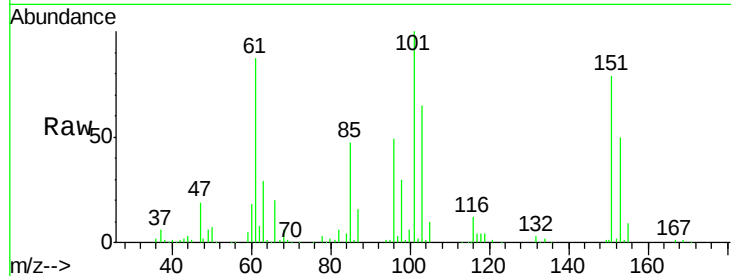
ClientSampled :

VSTDCCC050

Tot Ion:	101	Resp:	186860
Ion Ratio	Lower	Upper	
101	100		
85	44.7	32.4	48.6
151	80.4	68.2	102.2

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#10

Methyl Iodide

Concen: 47.593 ug/l

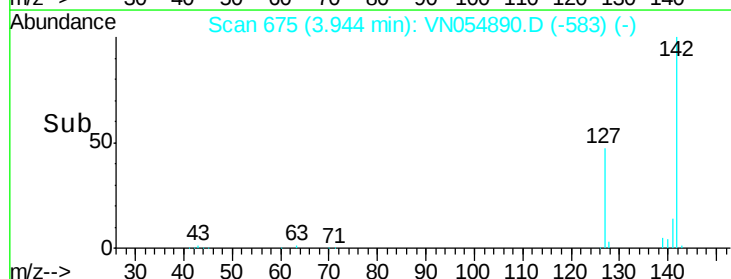
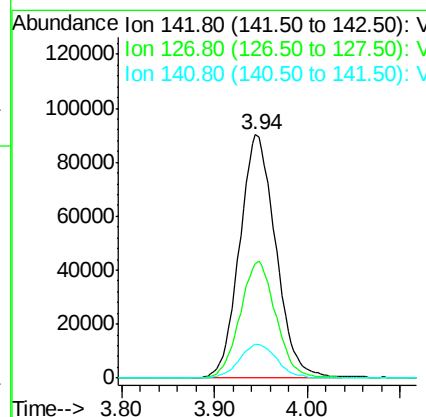
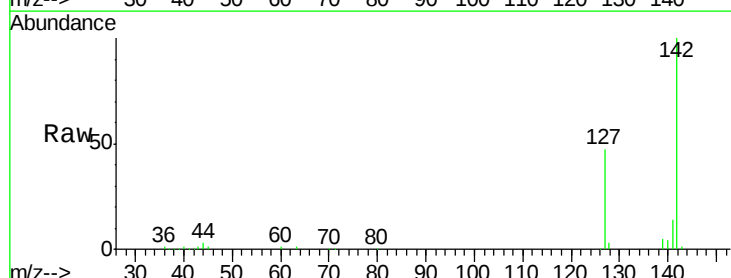
RT: 3.94 min Scan# 675

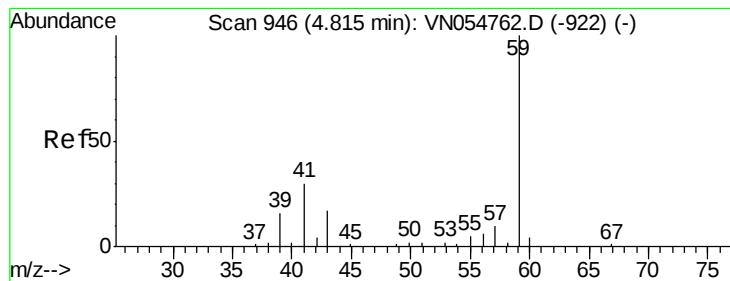
Delta R.T. -0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Tgt Ion:	142	Resp:	244494
Ion Ratio	Lower	Upper	
142	100		
127	47.6	30.3	45.5#
141	14.2	11.2	16.8





#11

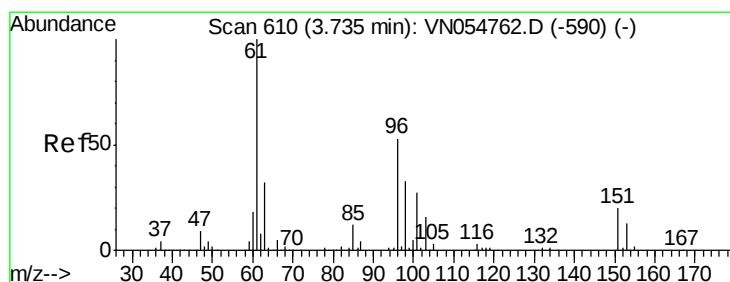
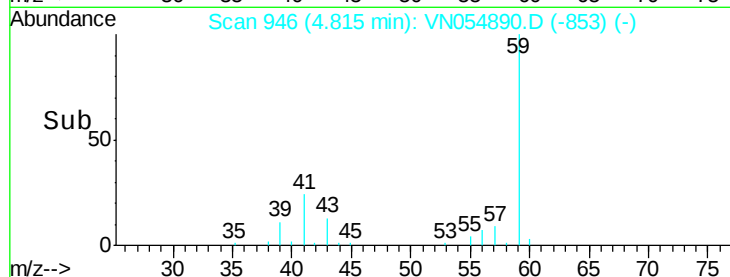
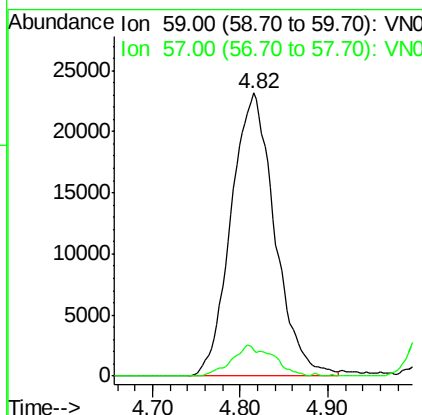
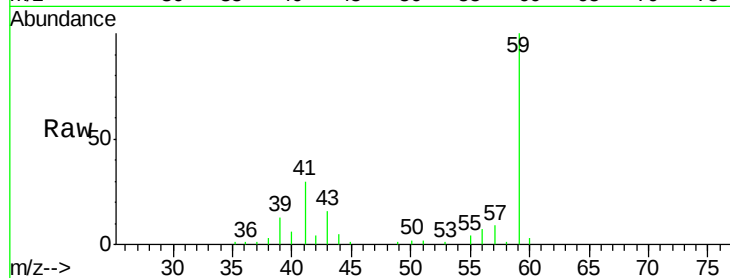
Tert butyl alcohol
 Concen: 247.820 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VN054890.D
 Acq: 2 Apr 2019 9:31

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	9.0	13.6

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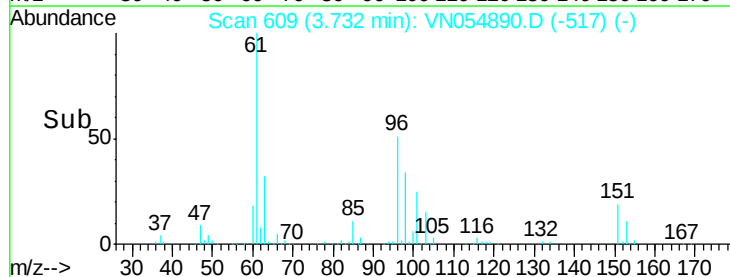
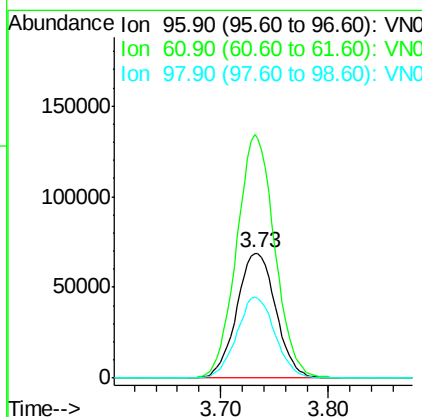
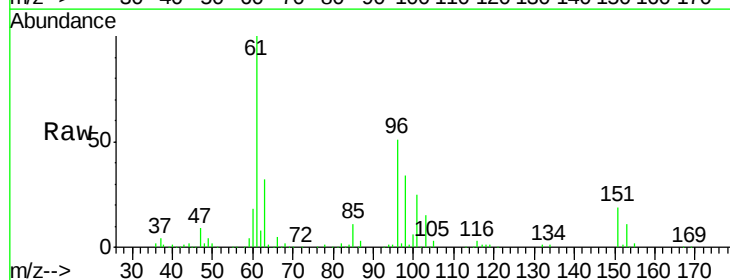
MMDadoda
 4/3/2019 10:43:46 AM

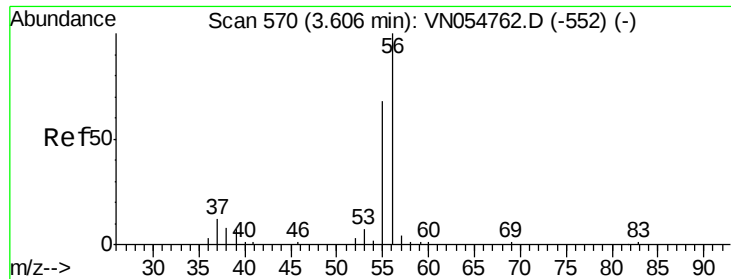


#12

1,1-Dichloroethene
 Concen: 47.886 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN054890.D
 Acq: 2 Apr 2019 9:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	194.5	116.5	174.7#
98	65.3	51.0	76.4





#13

Acrolein

Concen: 245.984 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 71303

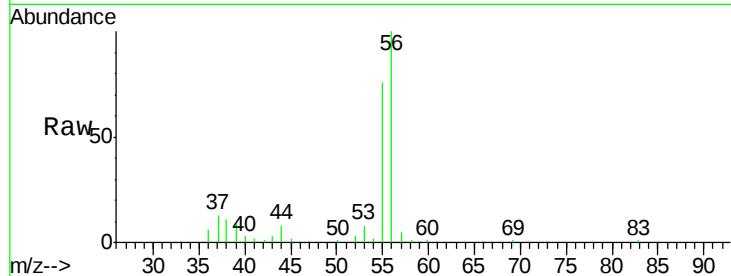
Ion Ratio Lower Upper

56 100

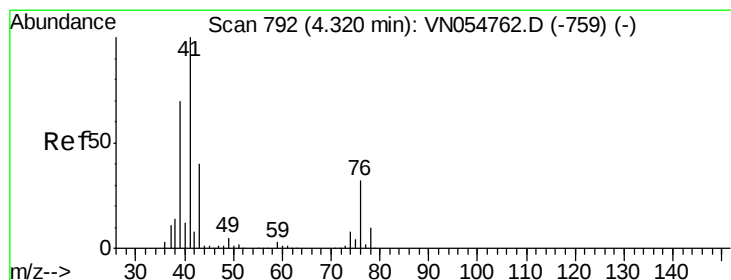
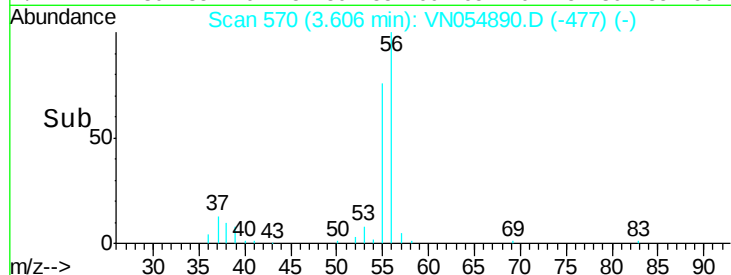
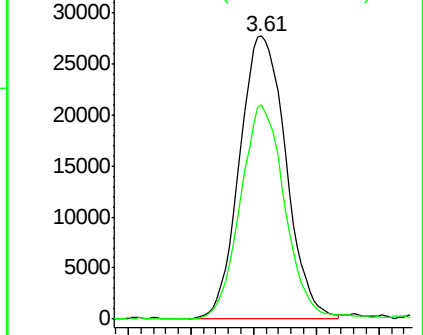
55 72.8 56.7 85.1

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Abundance Ion 56.00 (55.70 to 56.70): VN054762.D (-552) (-)



#14

Allyl chloride

Concen: 47.490 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

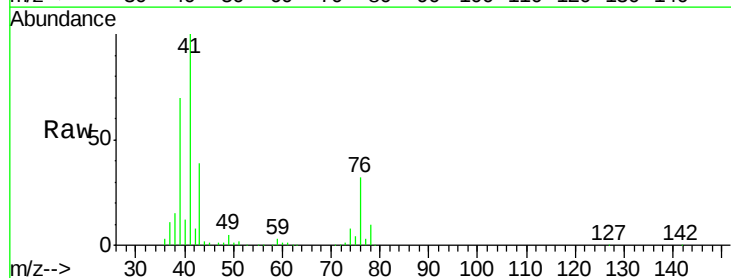
Tgt Ion: 41 Resp: 424491

Ion Ratio Lower Upper

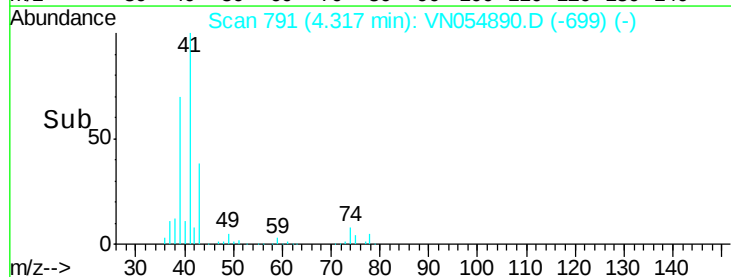
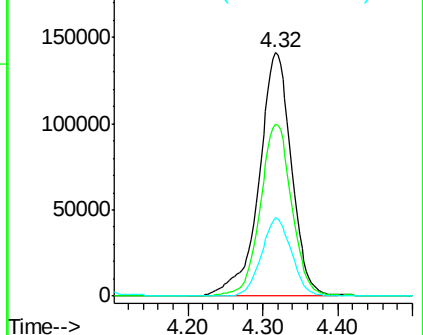
41 100

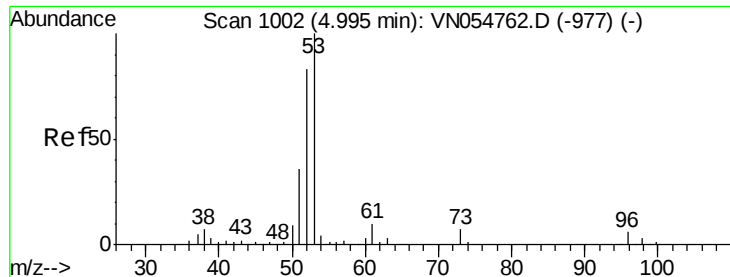
39 68.2 58.2 87.4

76 29.8 31.7 47.5#



Abundance Ion 41.00 (40.70 to 41.70): VN054762.D (-759) (-)





#15

Acrylonitrile

Concen: 244.799 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Instrument :

MSVOA_N

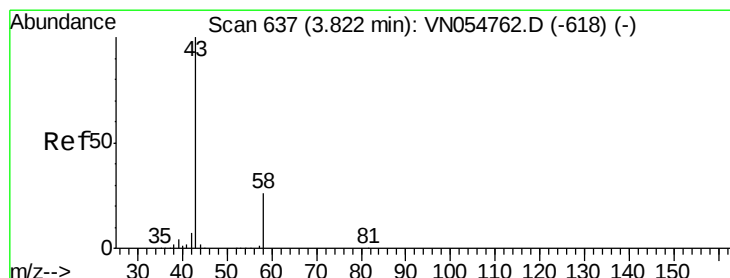
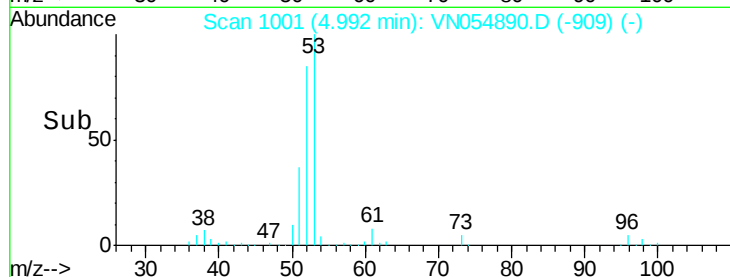
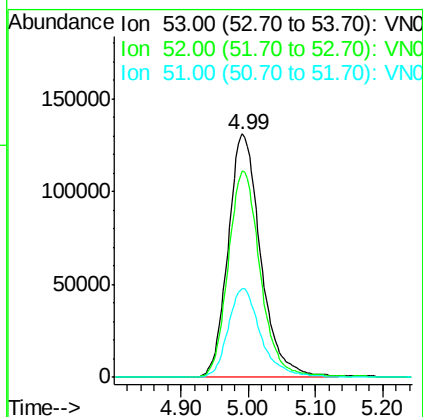
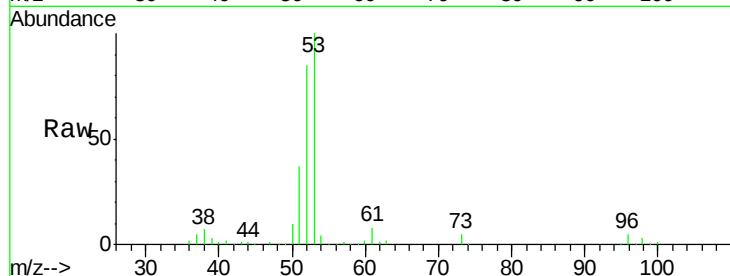
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	441189
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.4	99.6
51	36.7	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 306.426 ug/l

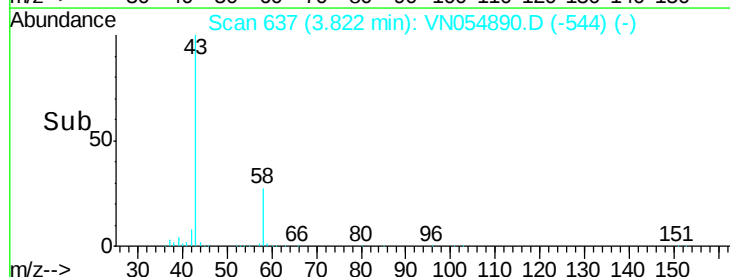
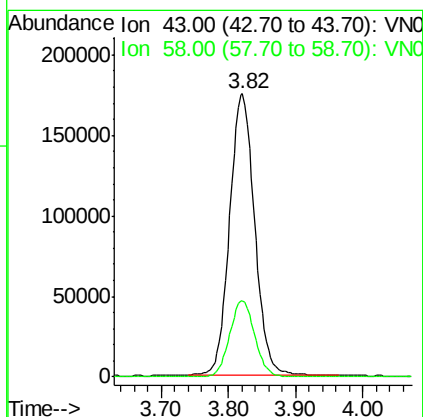
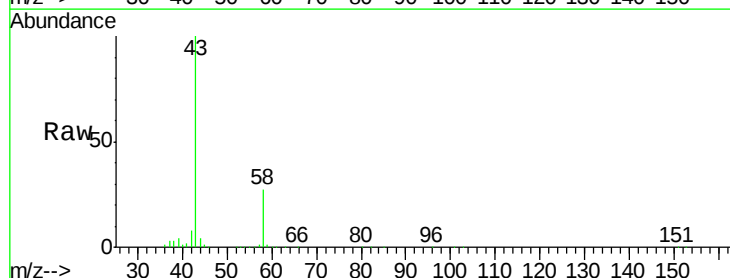
RT: 3.82 min Scan# 637

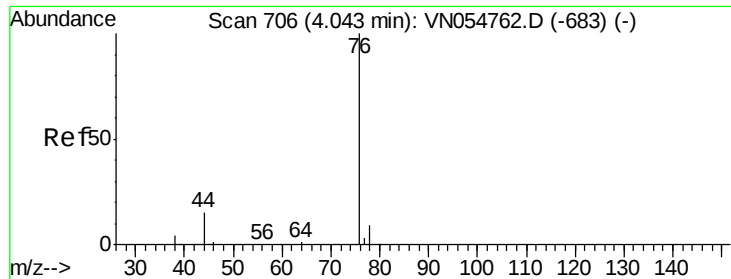
Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Tgt Ion:	43	Resp:	454746
Ion	Ratio	Lower	Upper
43	100		
58	27.1	29.9	44.9#





#17

Carbon Disulfide

Concen: 45.641 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 537201

Ion Ratio Lower Upper

76 100

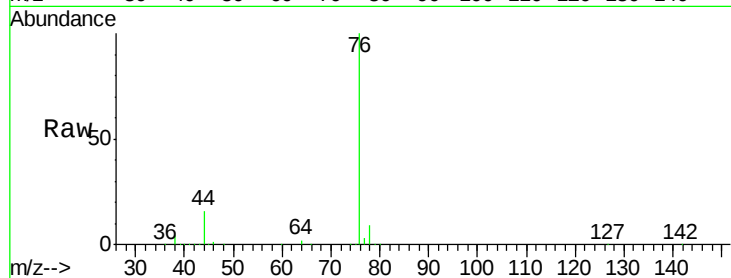
78 8.9 7.5 11.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN054890.D (-613) (-)

Ion 77.90 (77.60 to 78.60): VN054890.D (-613) (-)

250000

200000

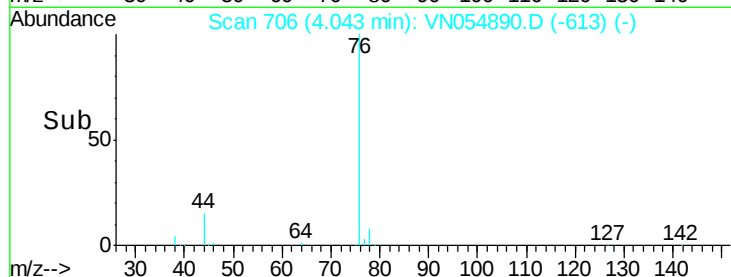
150000

100000

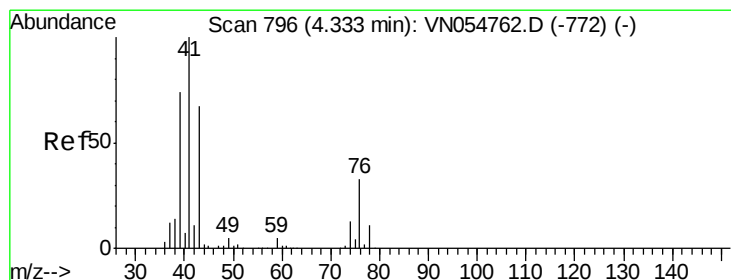
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 51.458 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN054890.D

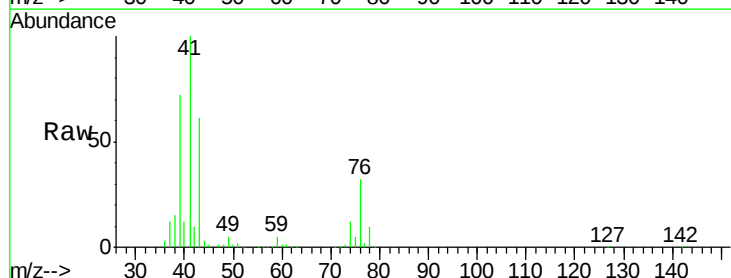
Acq: 2 Apr 2019 9:31

Tgt Ion: 43 Resp: 198802

Ion Ratio Lower Upper

43 100

74 20.2 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN054890.D (-702) (-)

Ion 74.00 (73.70 to 74.70): VN054890.D (-702) (-)

80000

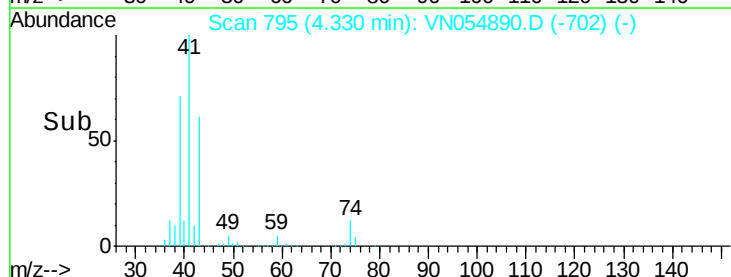
60000

40000

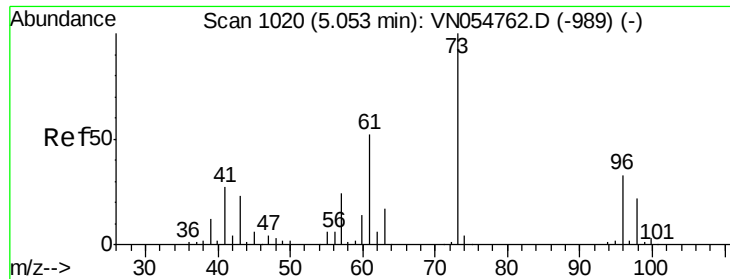
20000

0

Time-->



Time-->



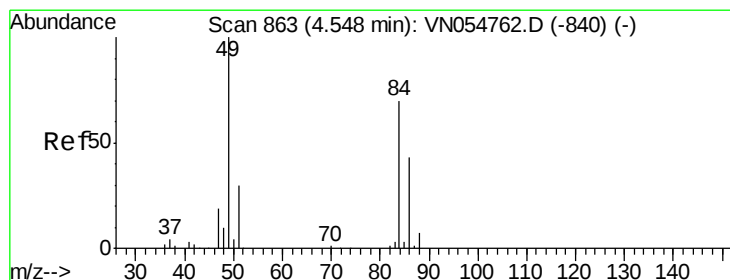
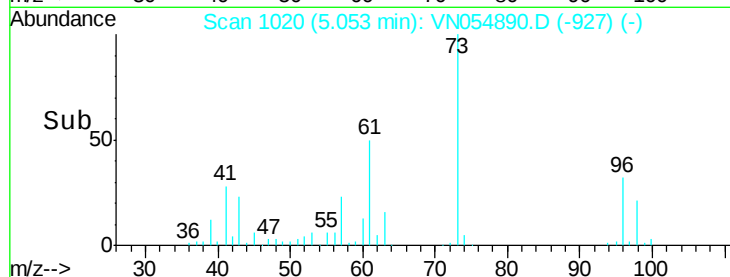
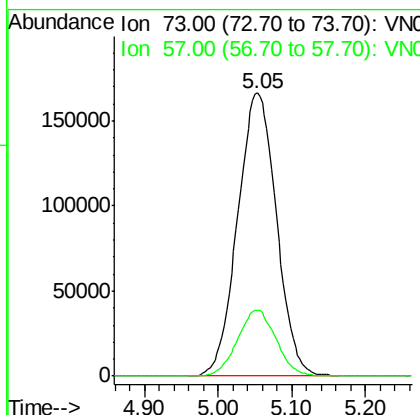
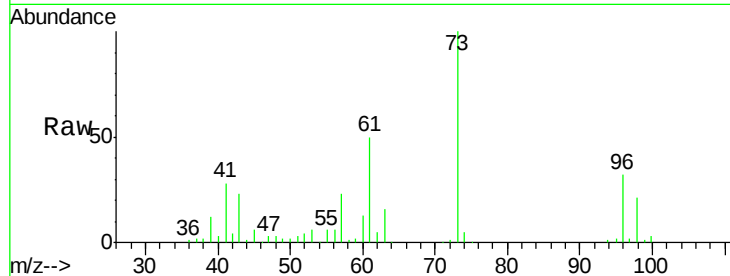
#19
Methvl tert-butvl Ether
Concen: 48.097 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 610539
Ion Ratio Lower Upper
73 100
57 23.4 16.8 25.2

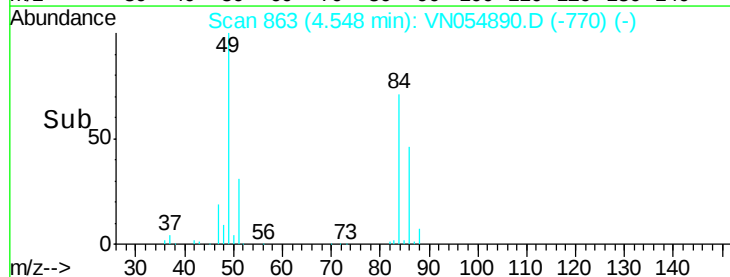
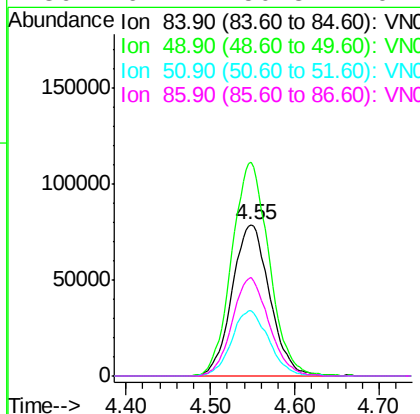
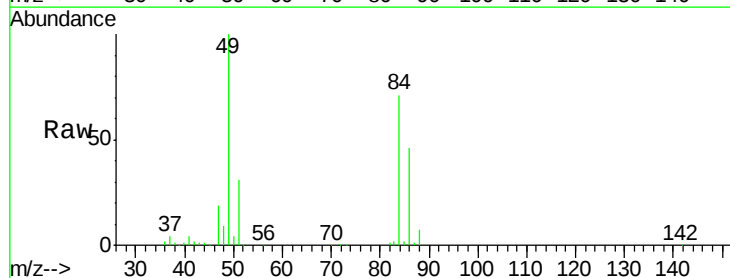
Manual Integrations
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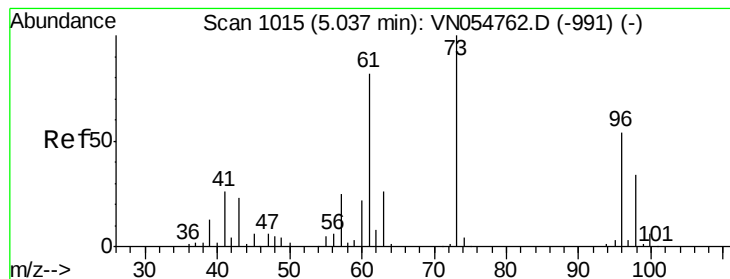
MMDadoda
4/3/2019 10:43:46 AM



#20
Methylene Chloride
Concen: 46.831 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Tgt Ion: 84 Resp: 245148
Ion Ratio Lower Upper
84 100
49 140.8 89.7 134.5#
51 43.0 28.2 42.4#
86 64.7 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 46.872 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 223416

Ion Ratio Lower Upper

96 100

61 158.9 102.8 154.2#

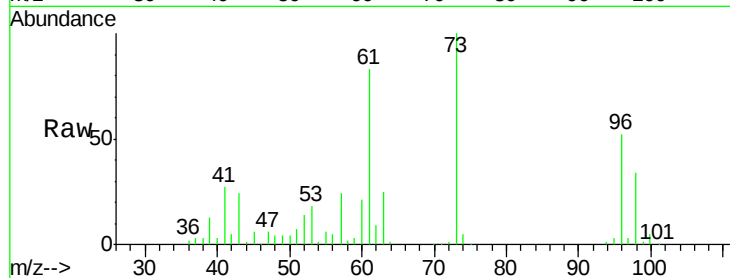
98 65.6 50.0 75.0

Manual Integrations

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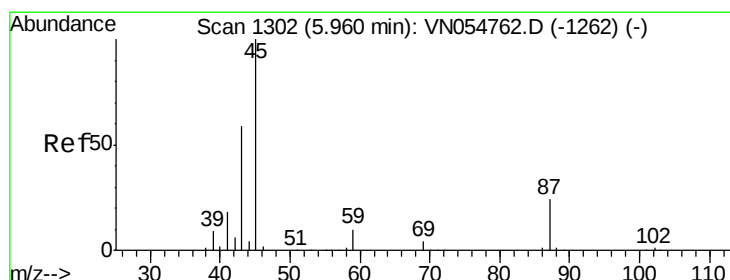
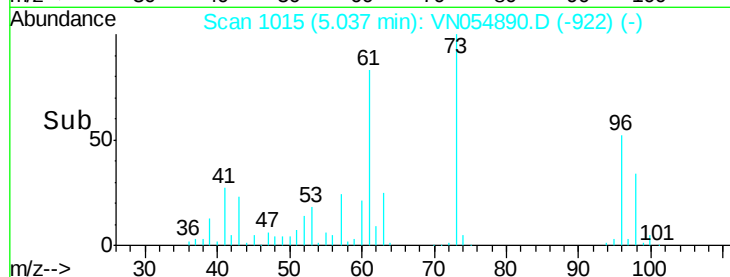
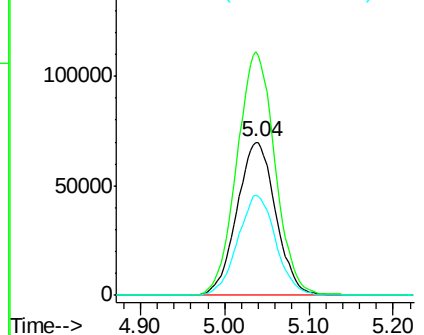
4/3/2019 10:43:46 AM



Abundance Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 49.268 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Tgt Ion: 45 Resp: 871004

Ion Ratio Lower Upper

45 100

43 56.4 48.2 72.2

87 23.5 24.9 37.3#

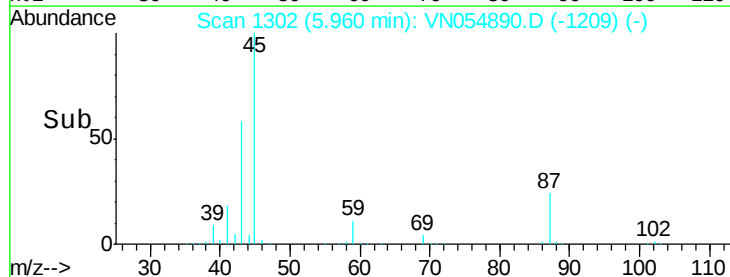
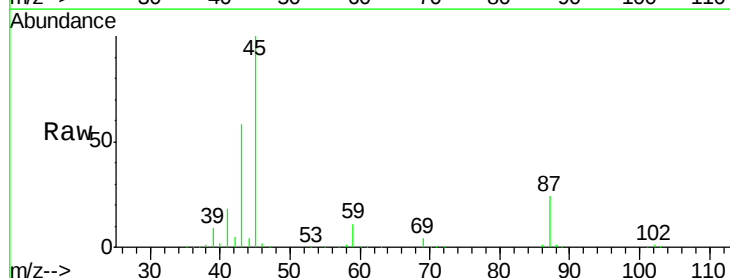
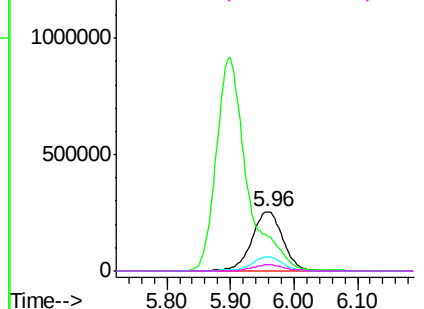
59 10.7 9.5 14.3

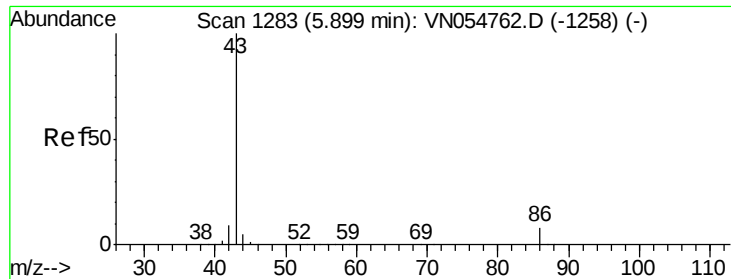
Abundance Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





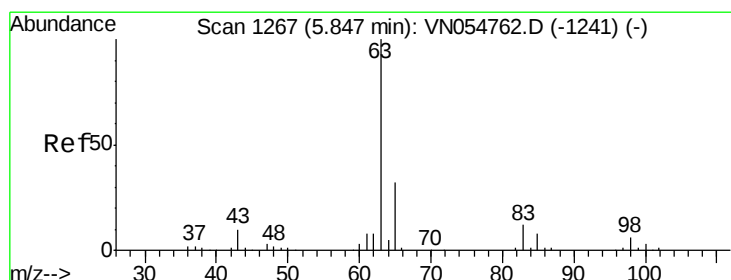
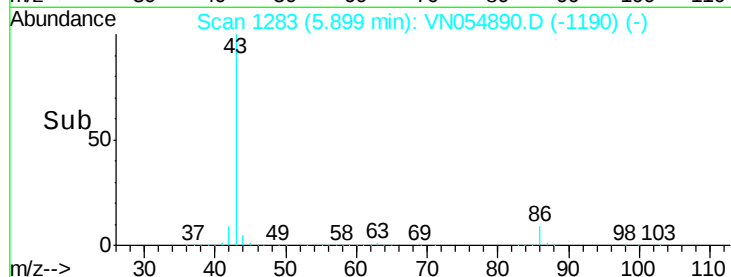
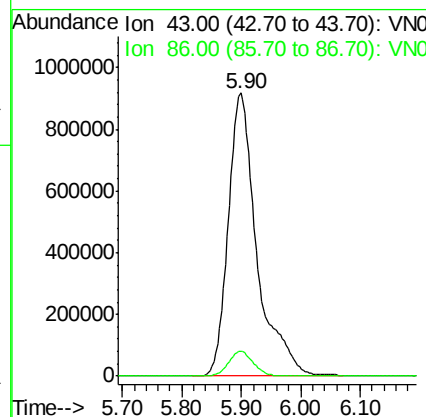
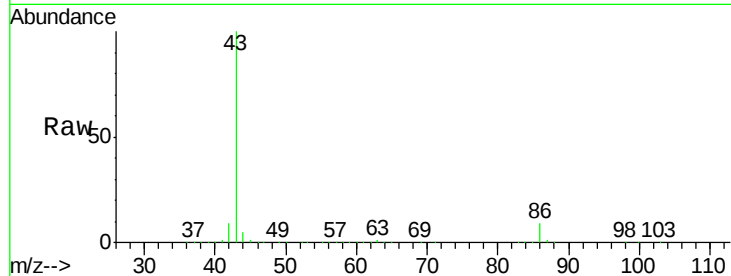
#23
 Vinyl Acetate
 Concen: 250.278 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN054890.D
 Acq: 2 Apr 2019 9:31

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 43 Resp: 3079107
 Ion Ratio Lower Upper
 43 100
 86 8.9 9.1 13.7#

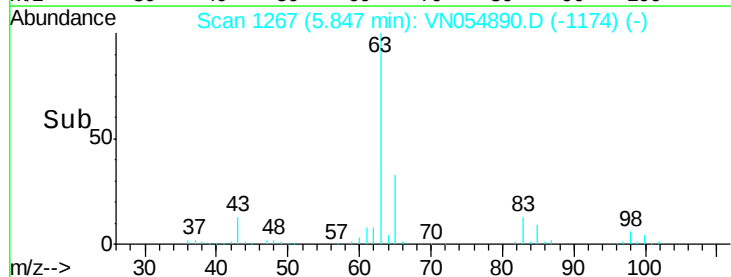
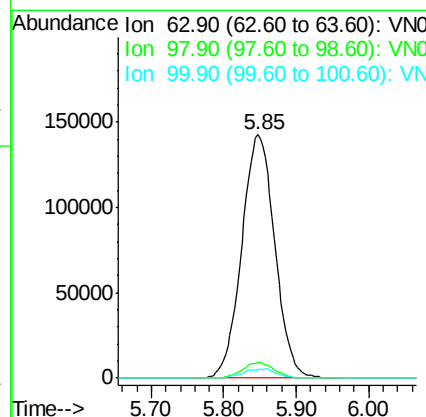
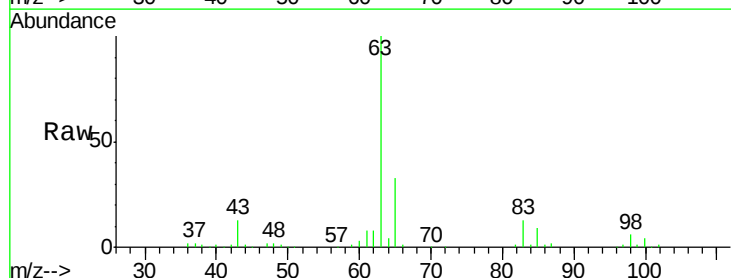
Manual Integrations
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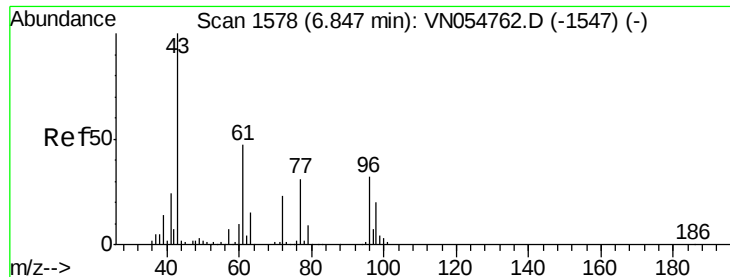
MMDadoda
 4/3/2019 10:43:46 AM



#24
 1,1-Dichloroethane
 Concen: 47.979 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN054890.D
 Acq: 2 Apr 2019 9:31

Tgt Ion: 63 Resp: 452473
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.5 10.5
 100 3.6 2.0 6.0





#25

2-Butanone

Concen: 277.413 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 608556

Ion Ratio Lower Upper

43 100

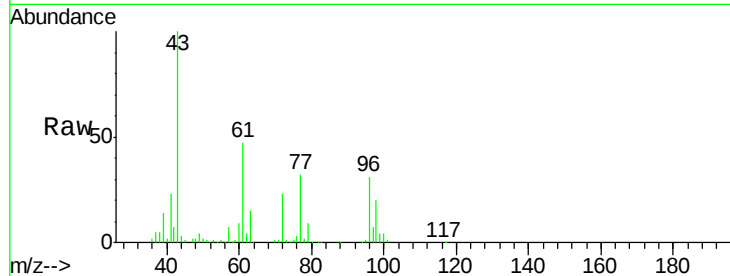
72 22.9 23.0 34.6#

Manual Integrations

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MMDadoda

4/3/2019 10:43:46 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

250000

200000

150000

100000

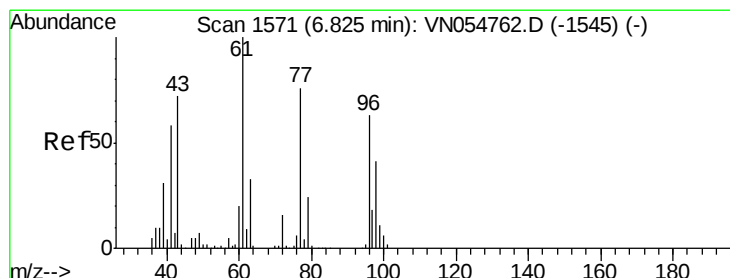
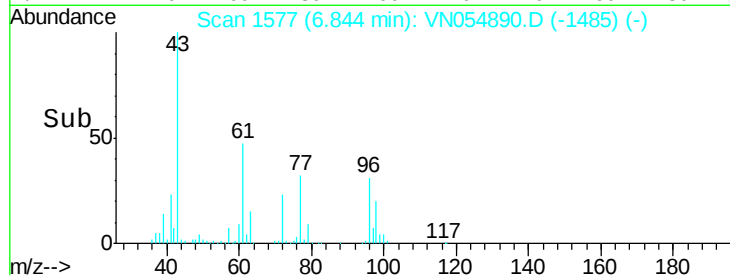
50000

0

6.70 6.75 6.80 6.85 6.90

6.84

Time-->



#26

2,2-Dichloropropane

Concen: 50.911 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054890.D

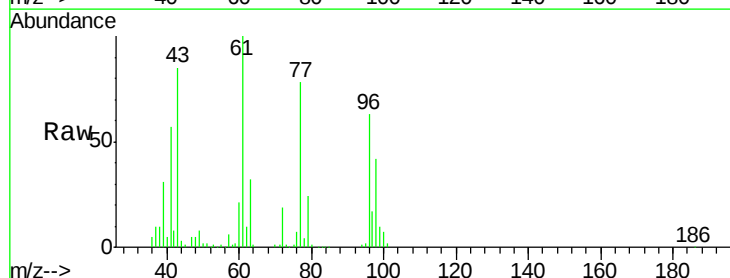
Acq: 2 Apr 2019 9:31

Tgt Ion: 77 Resp: 336509

Ion Ratio Lower Upper

77 100

97 22.4 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

120000

100000

80000

60000

40000

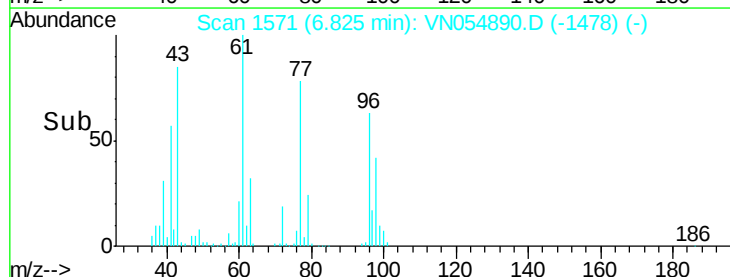
20000

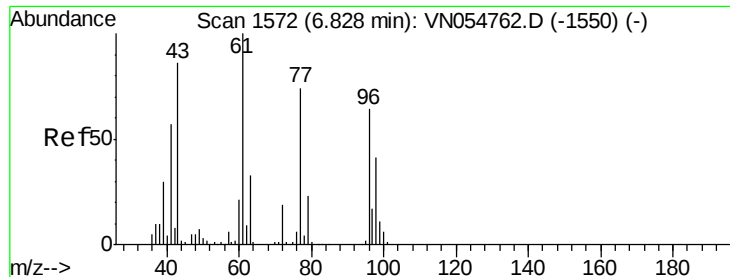
0

6.70 6.80 6.90

6.82

Time-->





#27

cis-1,2-Dichloroethene

Concen: 48.518 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Instrument :

MSVOA_N

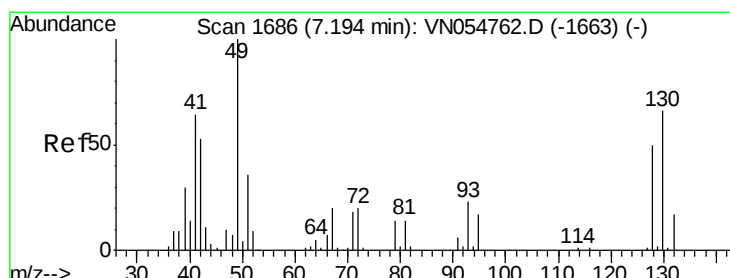
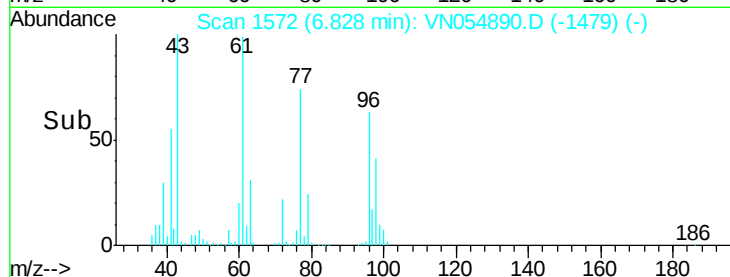
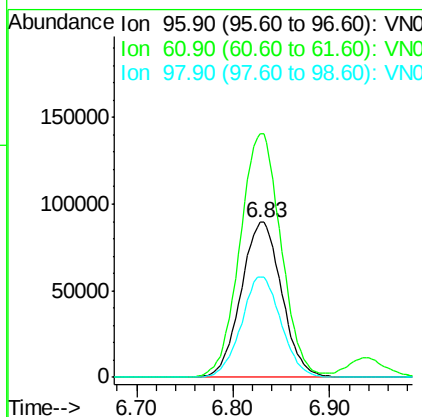
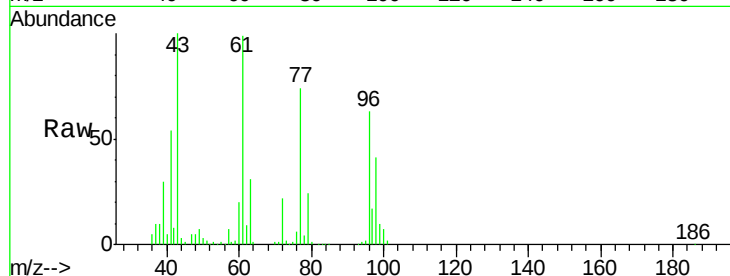
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	261252
Ion Ratio	Lower	Upper	
96	100		
61	158.7	0.0	273.0
98	63.5	0.0	130.6

Manual Integrations
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#28

Bromochloromethane

Concen: 51.203 ug/l

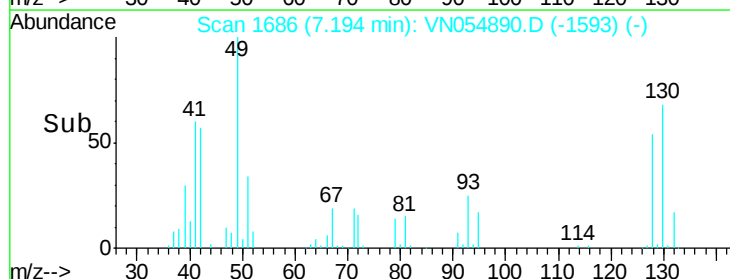
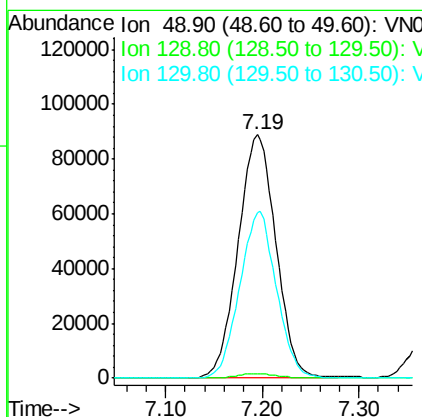
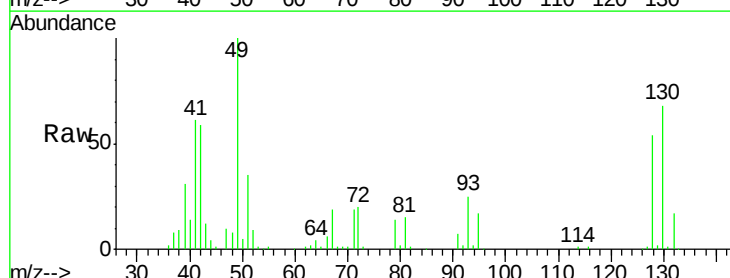
RT: 7.19 min Scan# 1686

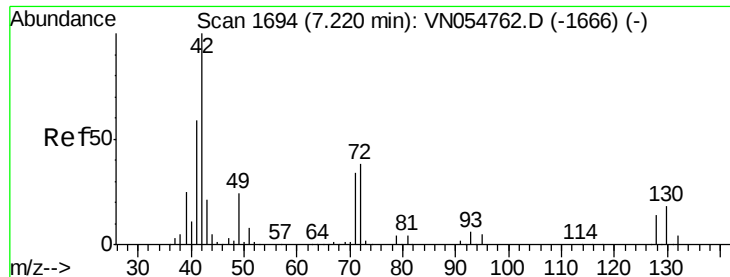
Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Tgt Ion:	49	Resp:	241454
Ion Ratio	Lower	Upper	
49	100		
129	1.9	0.0	4.6
130	66.4	76.7	115.1#





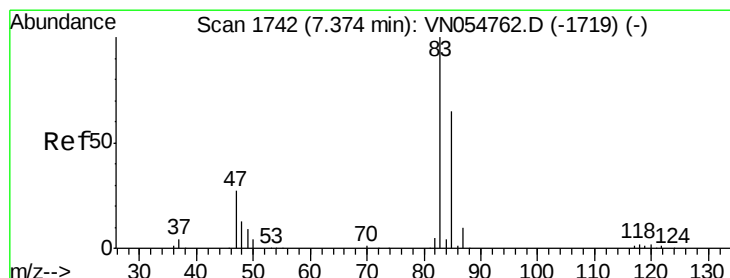
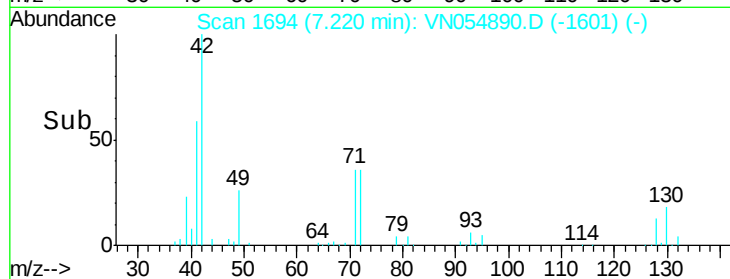
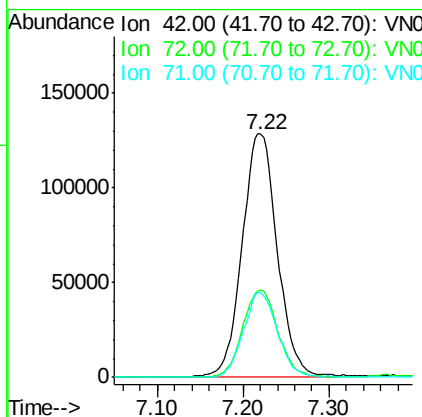
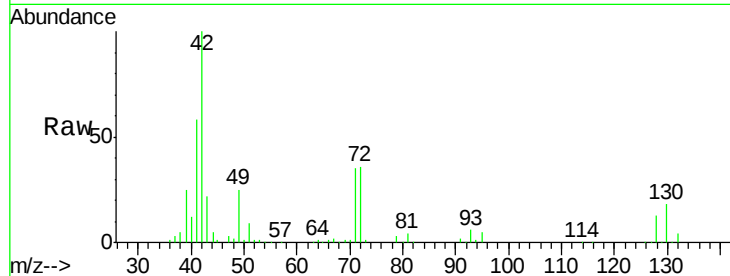
#29
Tetrahydrofuran
Concen: 237.584 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.5	37.8	56.6#
71	34.1	36.2	54.2#

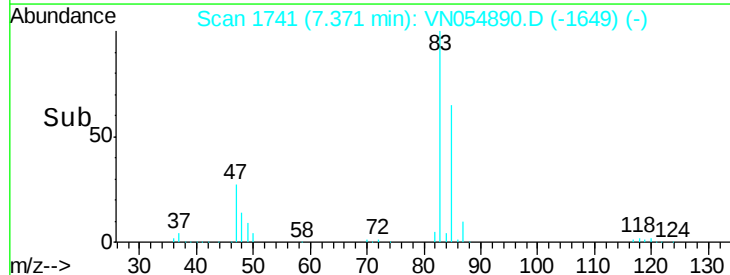
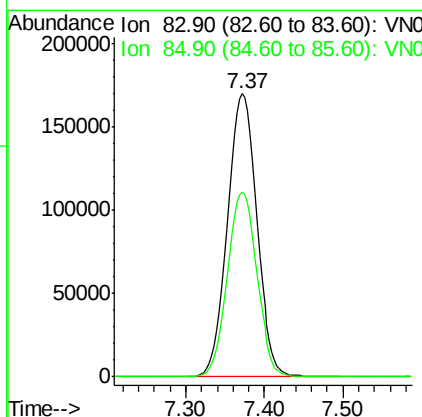
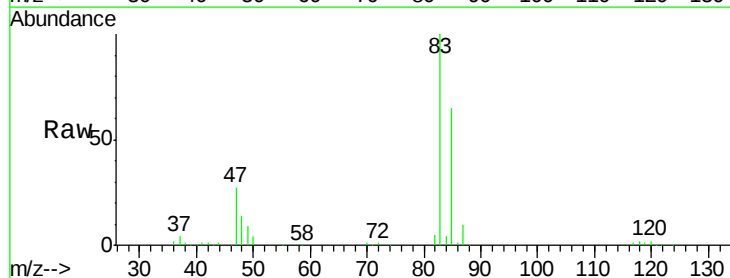
Manual Integrations
APPROVED

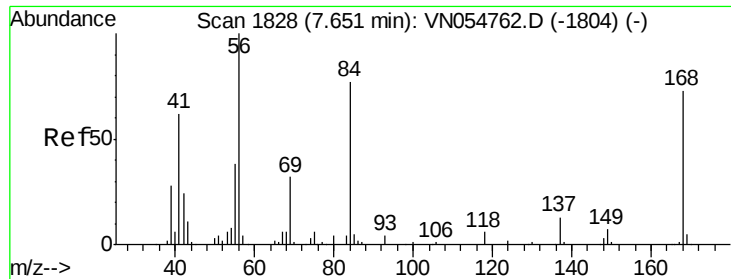
MMDadoda
4/3/2019 10:43:46 AM



#30
Chloroform
Concen: 49.054 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.2	78.4





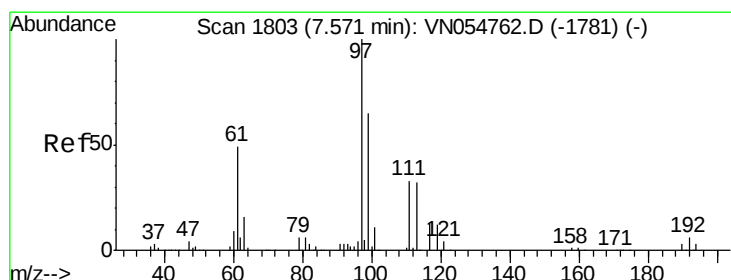
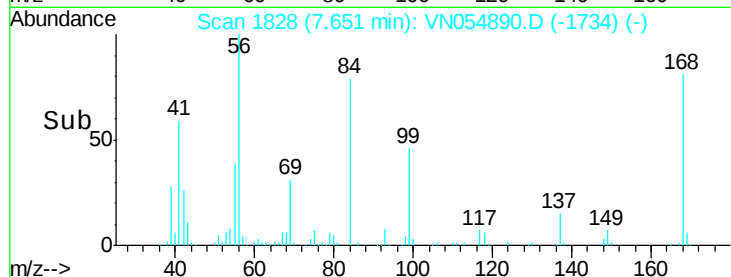
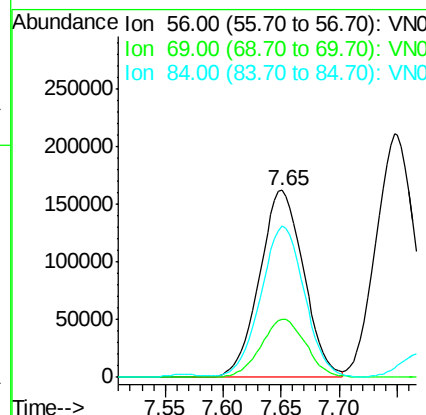
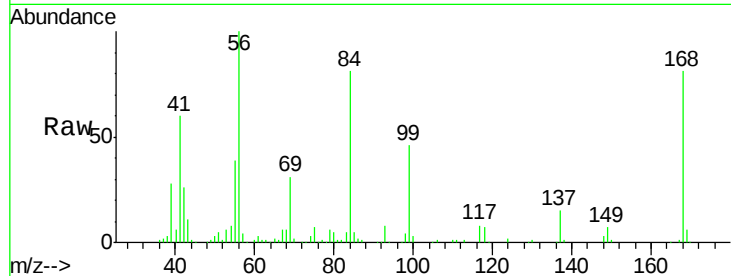
#31
Cyclohexane
Concen: 49.858 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	56	Resp	428479
Ion Ratio	100	Lower	Upper
56	100		
69	30.9	27.8	41.6
84	79.4	74.6	111.8

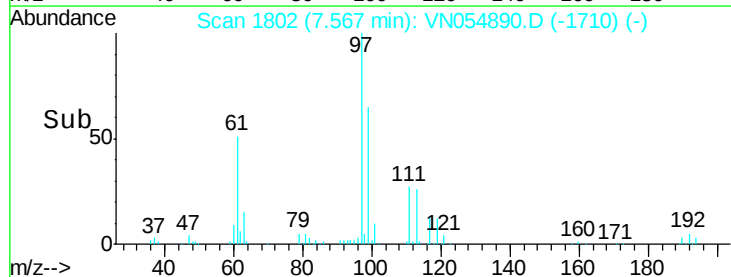
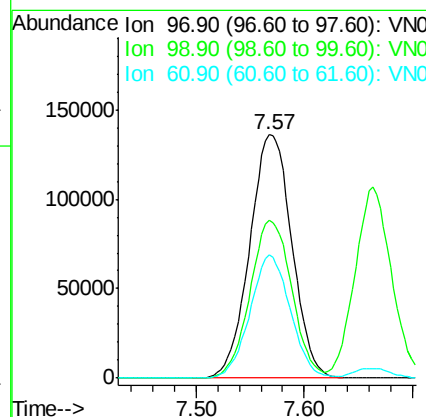
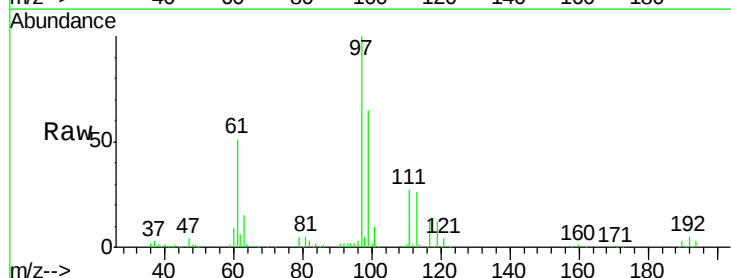
Manual Integrations
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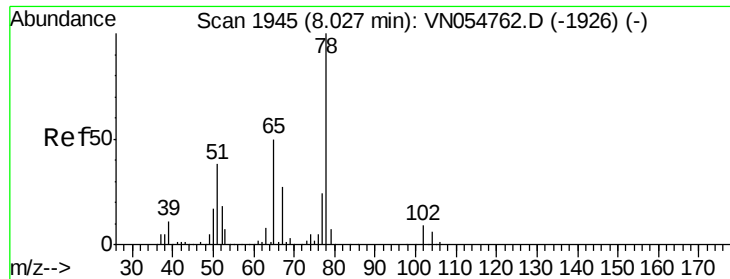
MMDadoda
4/3/2019 10:43:46 AM



#32
1,1,1-Trichloroethane
Concen: 49.502 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Tgt Ion	97	Resp	368901
Ion Ratio	100	Lower	Upper
97	100		
99	64.0	51.5	77.3
61	48.3	33.6	50.4





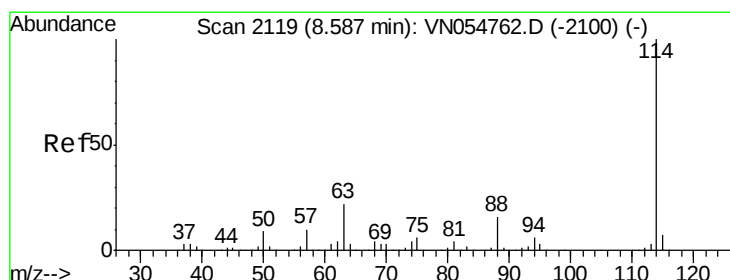
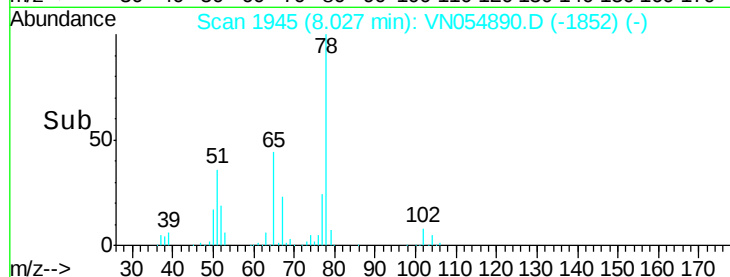
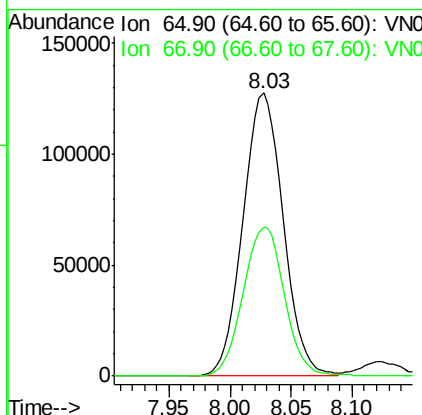
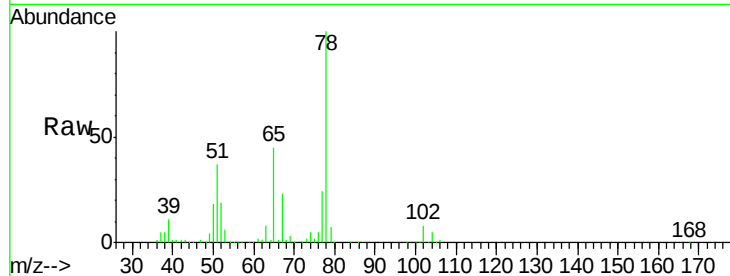
#33
 1,2-Dichloroethane-d4
 Concen: 46.824 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054890.D
 Acq: 2 Apr 2019 9:31

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	291401		
67	54.0	0.0	104.6	

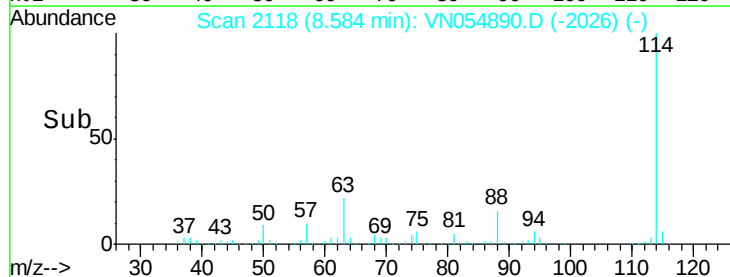
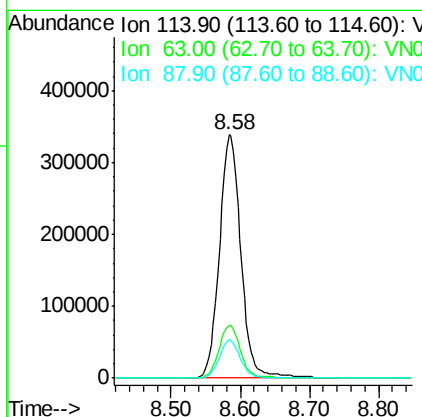
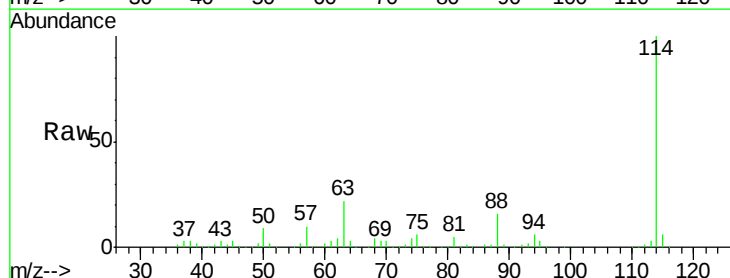
Manual Integrations
 APPROVED

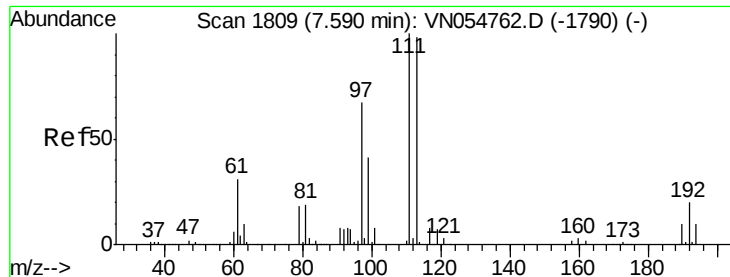
MMDadoda
 4/3/2019 10:43:46 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054890.D
 Acq: 2 Apr 2019 9:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	728721		
63	21.9	0.0	35.2	
88	15.8	0.0	30.2	





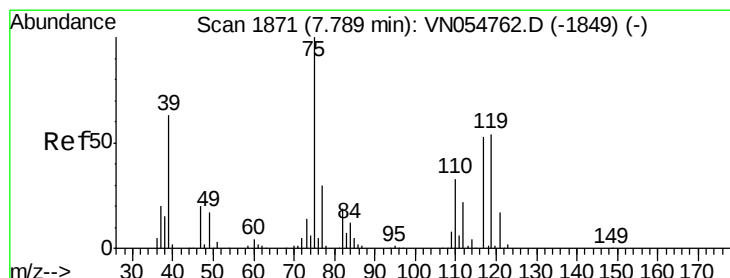
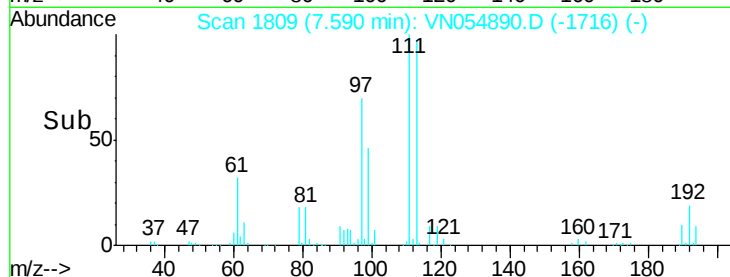
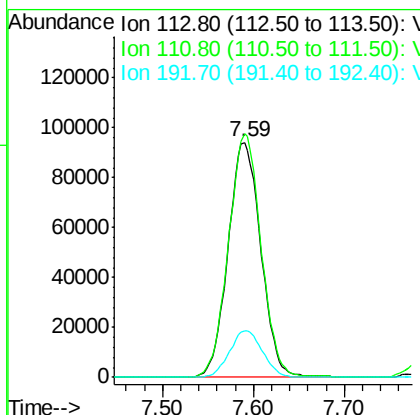
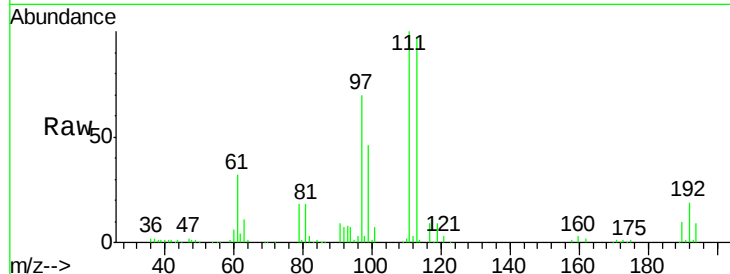
#35
 Dibromofluoromethane
 Concen: 48.688 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054890.D
 Acq: 2 Apr 2019 9:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	236541		
111	102.3	82.2	123.4	
192	19.9	19.2	28.8	

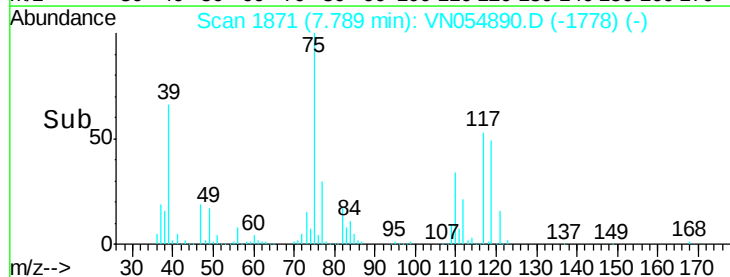
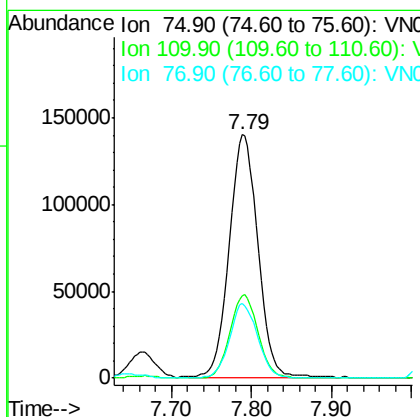
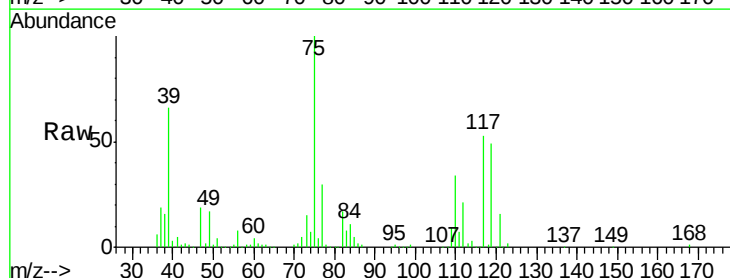
Manual Integrations
 APPROVED

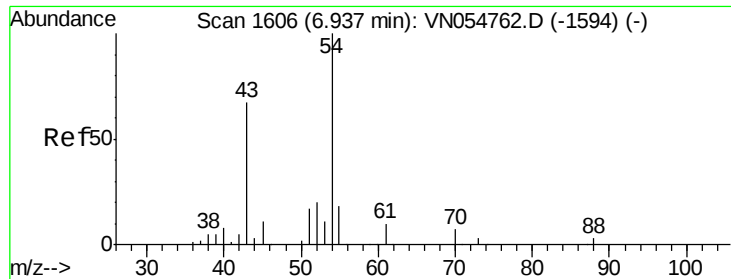
MMDadoda
 4/3/2019 10:43:46 AM



#36
 1,1-Dichloropropene
 Concen: 49.807 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN054890.D
 Acq: 2 Apr 2019 9:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	338205		
110	33.8	19.1	57.5	
77	30.2	25.0	37.4	





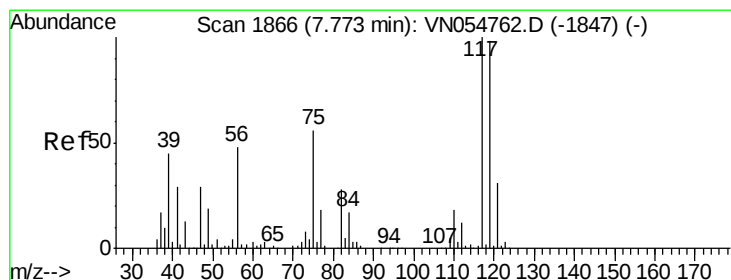
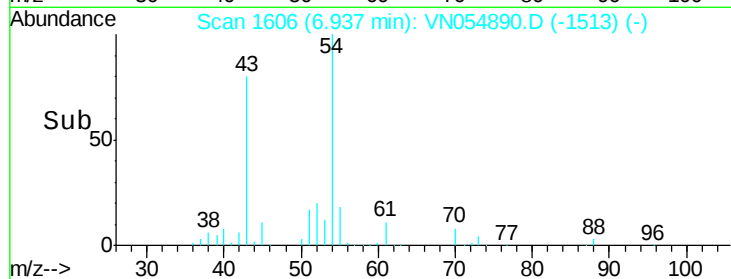
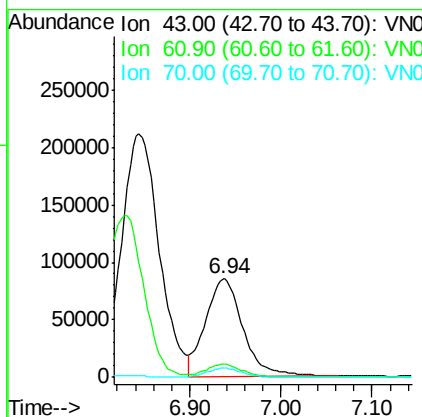
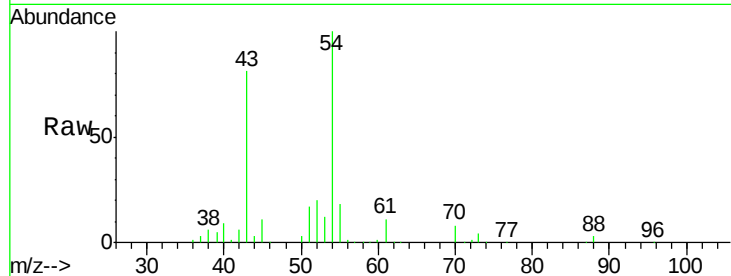
#37
Ethyl Acetate
Concen: 48.702 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	11.8	17.6
70	8.9	8.4	12.6

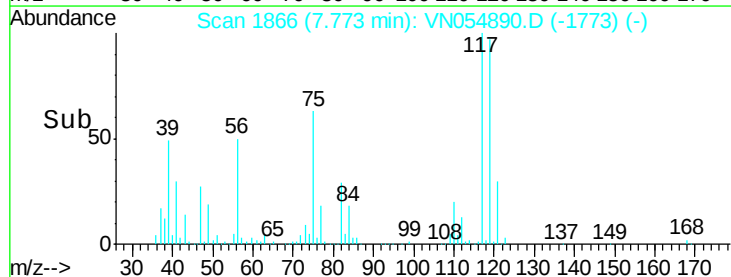
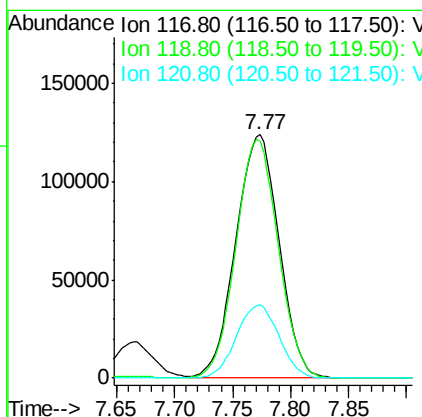
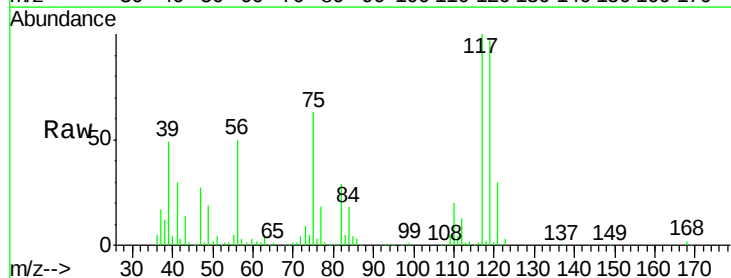
Manual Integrations
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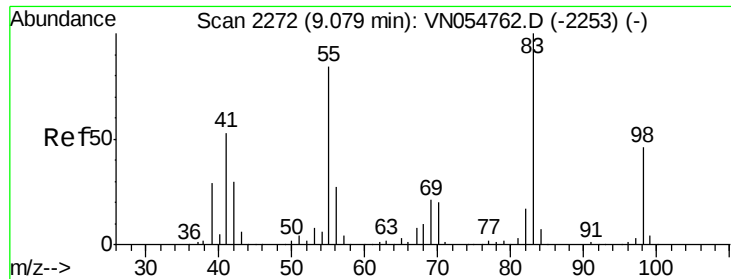
MMDadoda
4/3/2019 10:43:46 AM



#38
Carbon Tetrachloride
Concen: 48.729 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	76.3	114.5
121	30.0	24.6	36.8





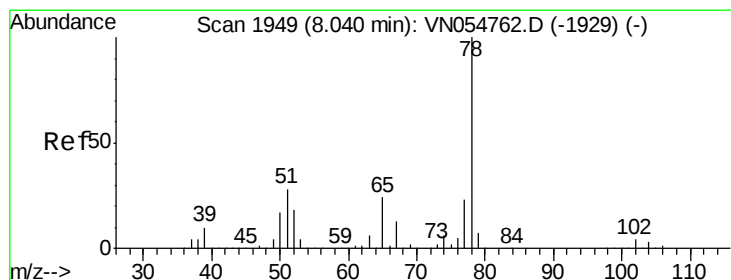
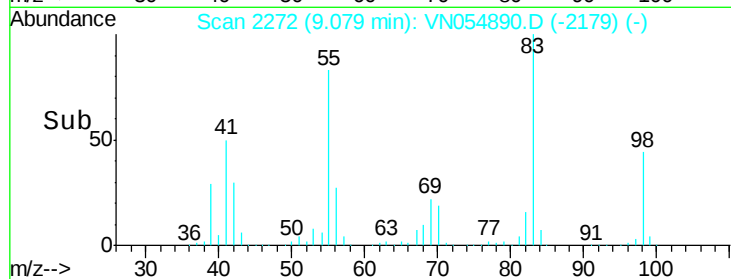
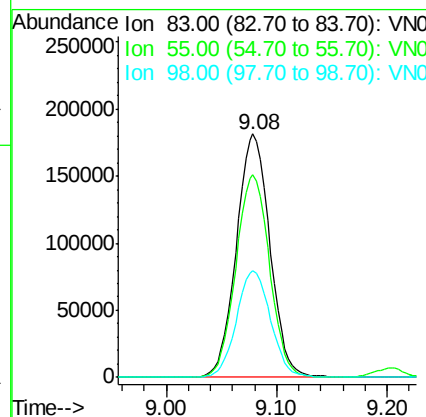
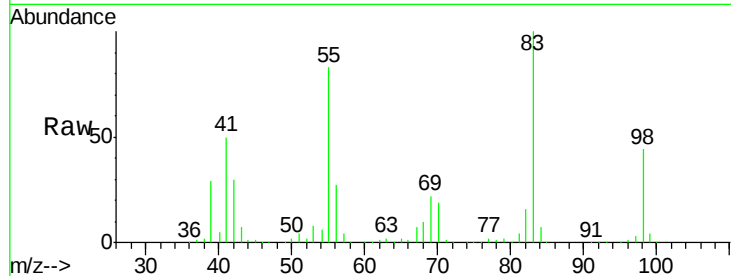
#39
Methvlcvclohexane
Concen: 51.207 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	83.0		56.6	84.8
98	43.9		38.4	57.6

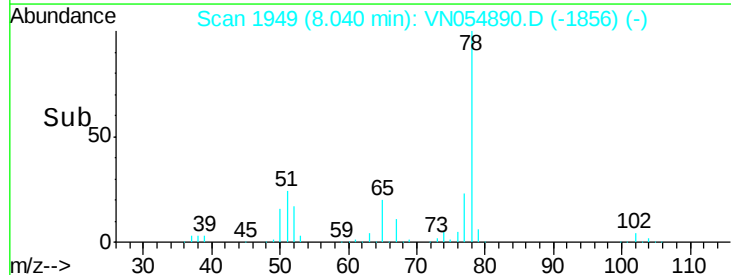
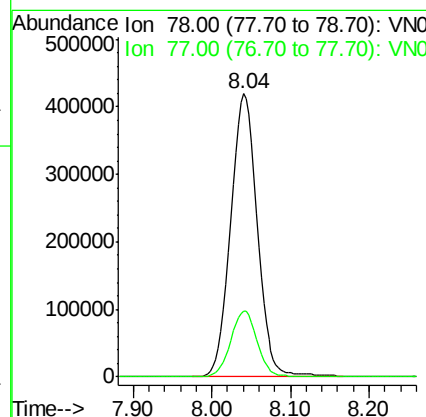
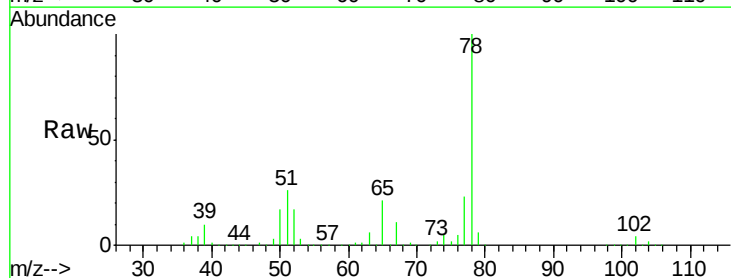
Manual Integrations
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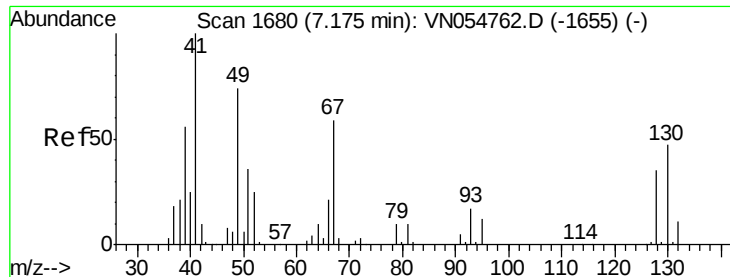
MMDadoda
4/3/2019 10:43:46 AM



#40
Benzene
Concen: 50.750 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.4		19.1	28.7





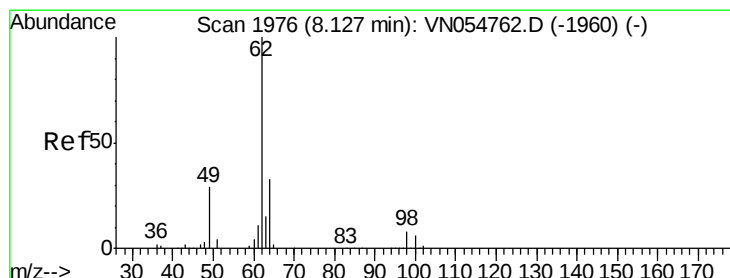
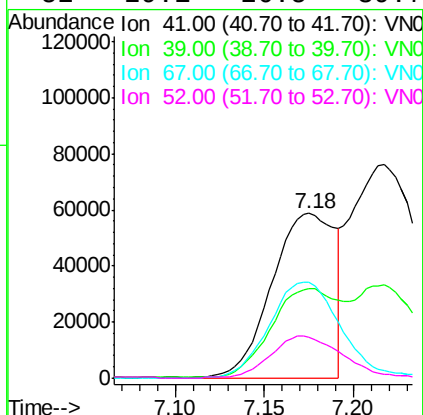
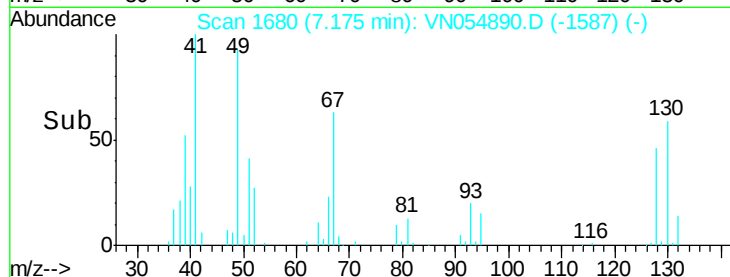
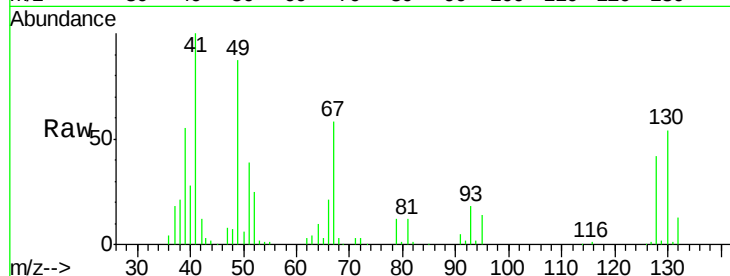
#41
Methacrylonitrile
Concen: 51.297 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	61.5	46.8	70.2	
67	67.8	67.0	100.4	
52	29.1	26.5	39.7	

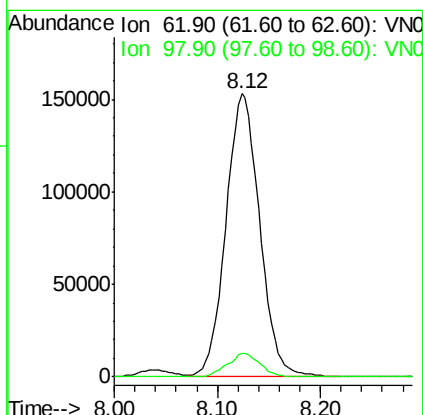
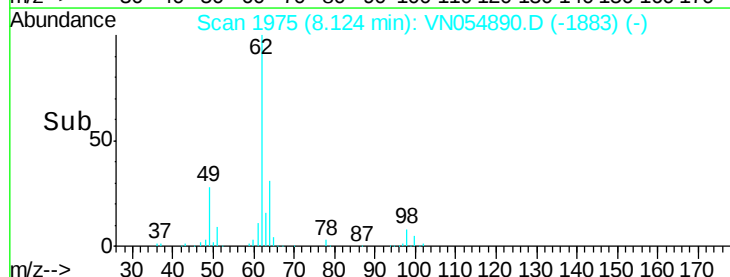
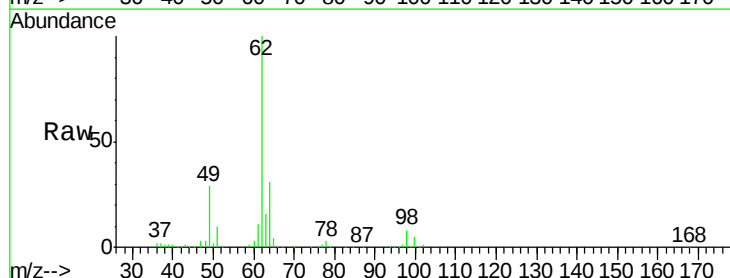
Manual Integrations
APPROVED

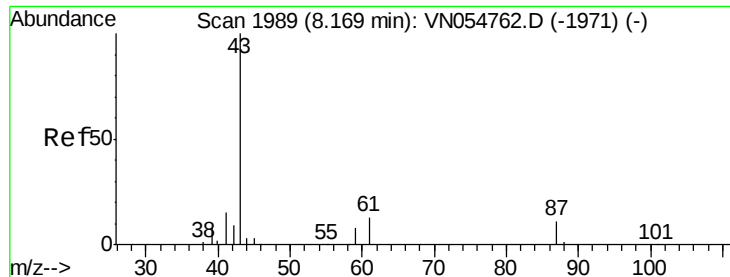
MMDadoda
4/3/2019 10:43:46 AM



#42
1,2-Dichloroethane
Concen: 49.888 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.2	0.0	18.4	





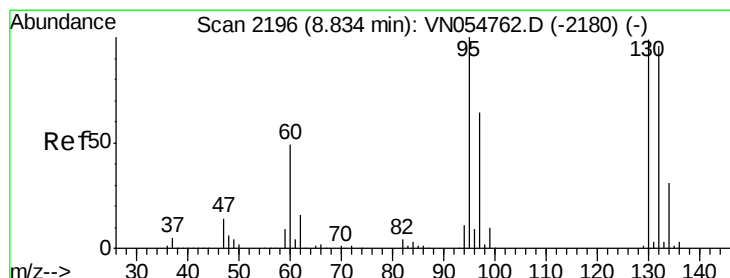
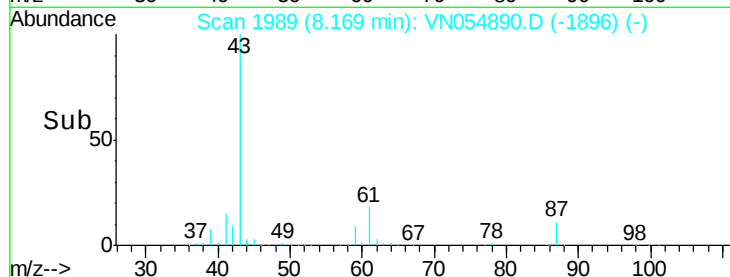
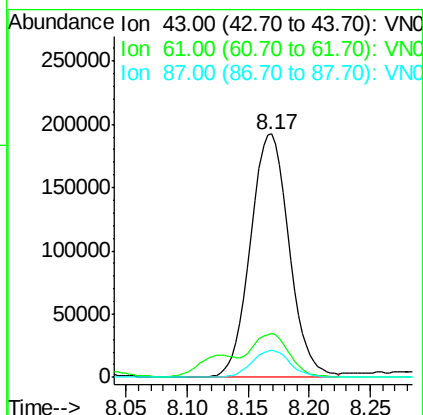
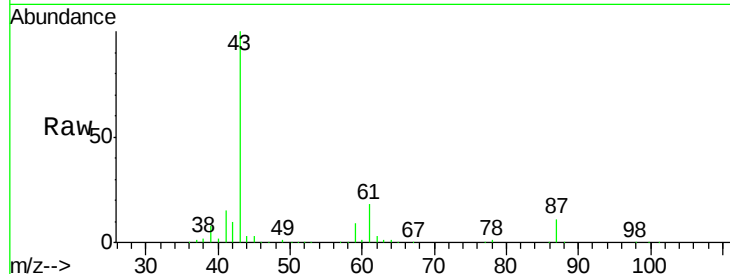
#43
Isopropyl Acetate
Concen: 51.945 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.6	15.8	23.8
87	11.0	12.0	18.0

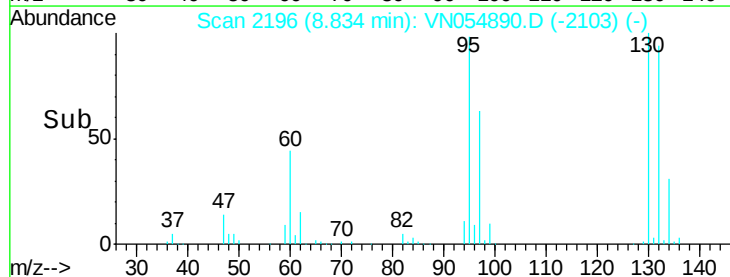
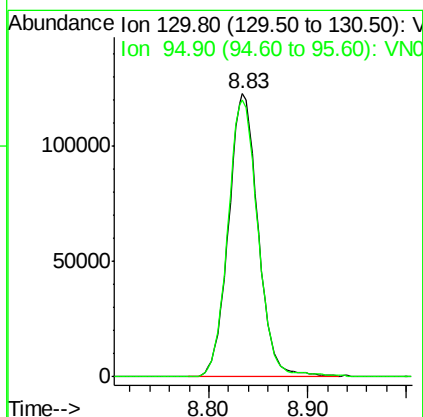
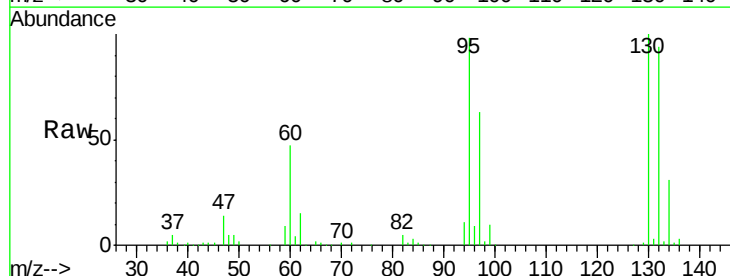
Manual Integrations
APPROVED

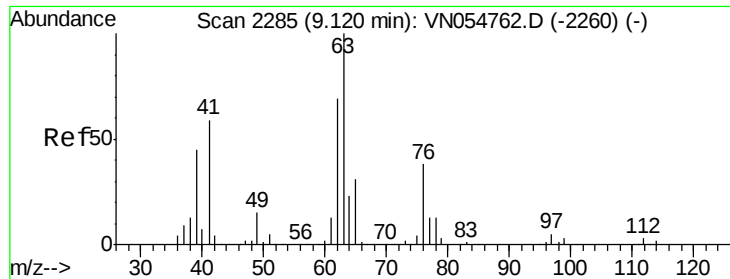
MMDadoda
4/3/2019 10:43:46 AM



#44
Trichloroethene
Concen: 50.833 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.8	0.0	185.2





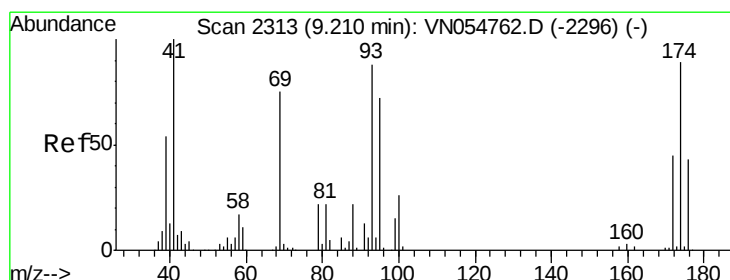
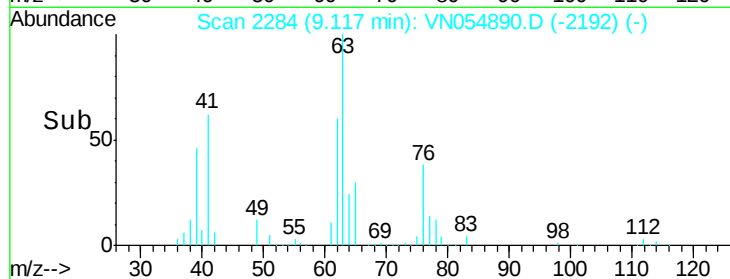
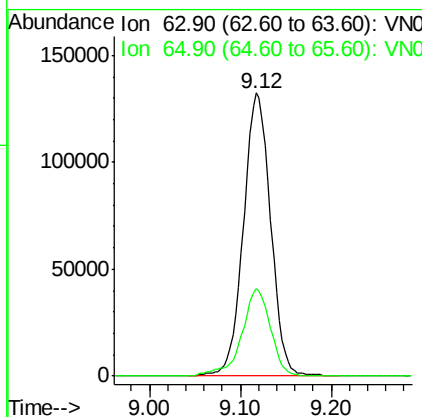
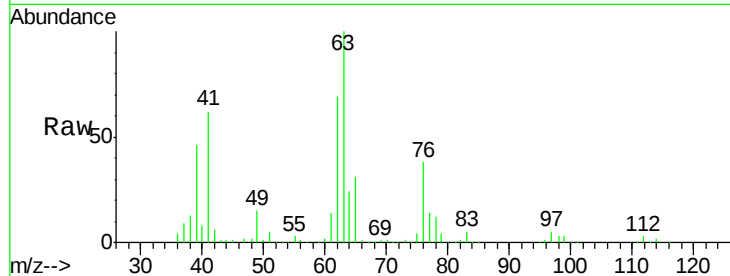
#45
 1,2-Dichloropropane
 Concen: 49.654 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054890.D
 Acq: 2 Apr 2019 9:31

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 63 Resp: 275090
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.0 37.6

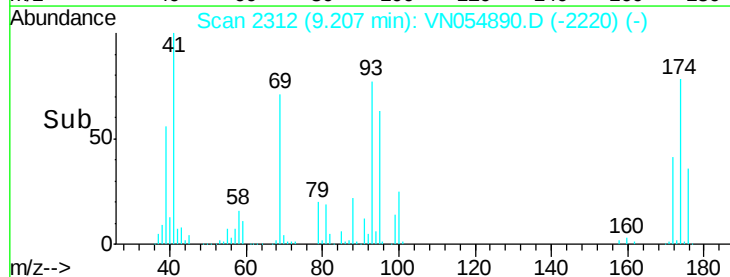
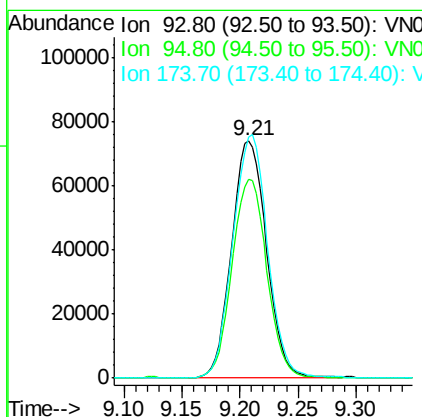
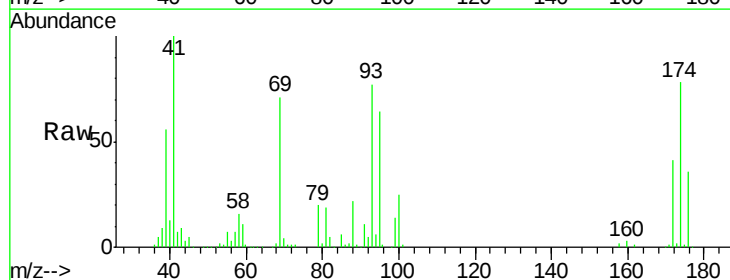
Manual Integrations
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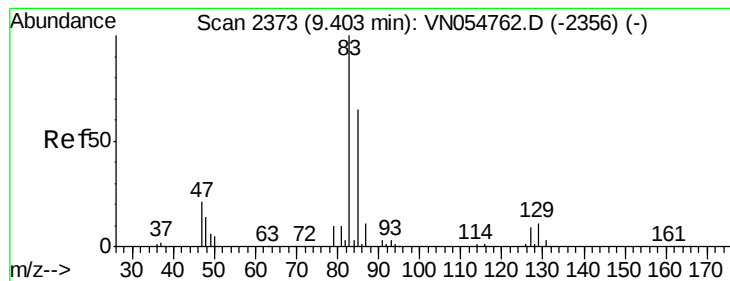
MMDadoda
 4/3/2019 10:43:46 AM



#46
 Dibromomethane
 Concen: 49.638 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054890.D
 Acq: 2 Apr 2019 9:31

Tgt Ion: 93 Resp: 154701
 Ion Ratio Lower Upper
 93 100
 95 84.0 66.7 100.1
 174 102.4 98.5 147.7





#47

Bromodichloromethane

Concen: 52.725 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Instrument :

MSVOA_N

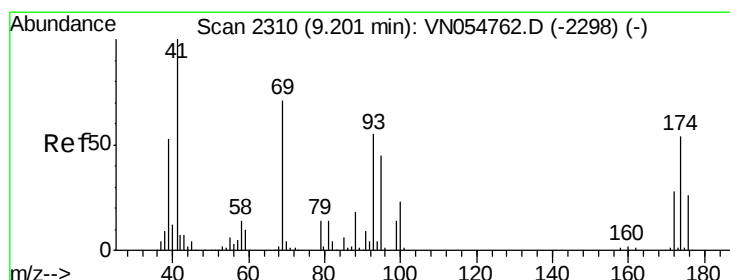
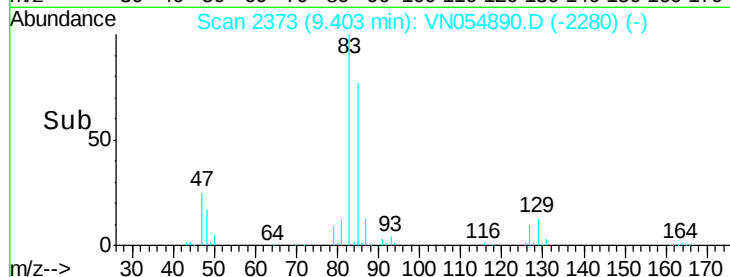
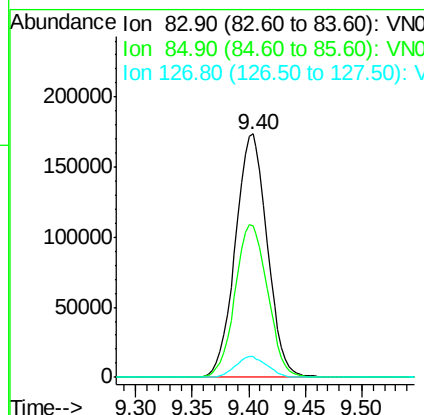
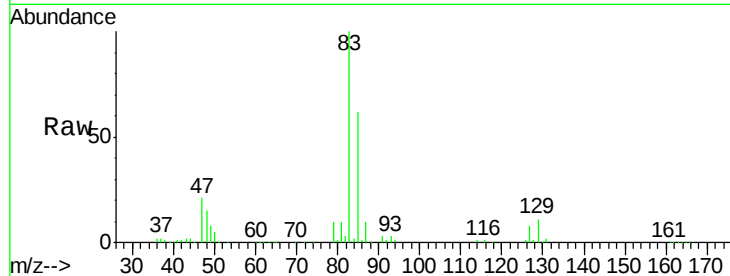
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	341505
Ion Ratio	Lower	Upper	
83	100		
85	62.1	52.8	79.2
127	8.4	7.4	11.2

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 49.285 ug/l

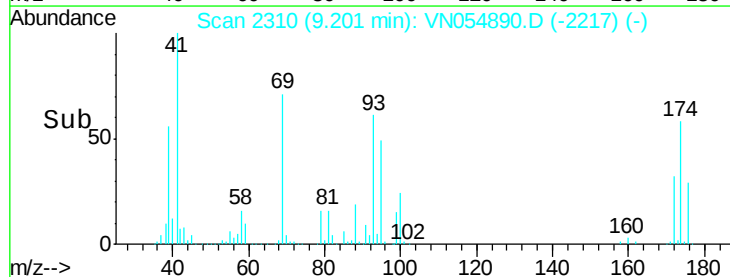
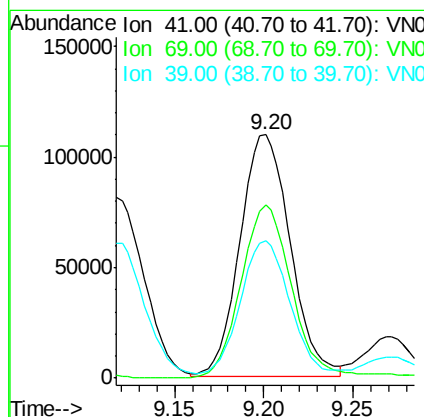
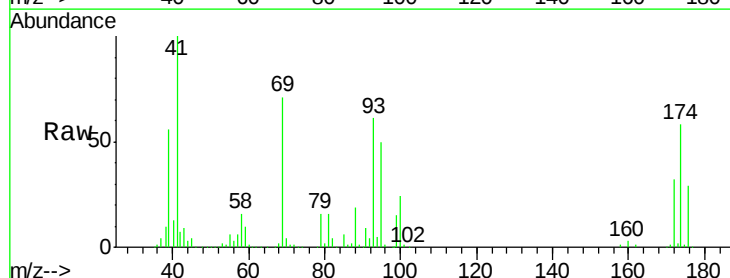
RT: 9.20 min Scan# 2310

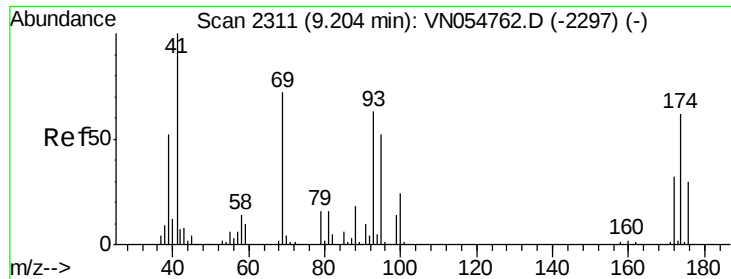
Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Tgt Ion:	41	Resp:	216159
Ion Ratio	Lower	Upper	
41	100		
69	73.3	72.6	108.8
39	56.3	47.5	71.3





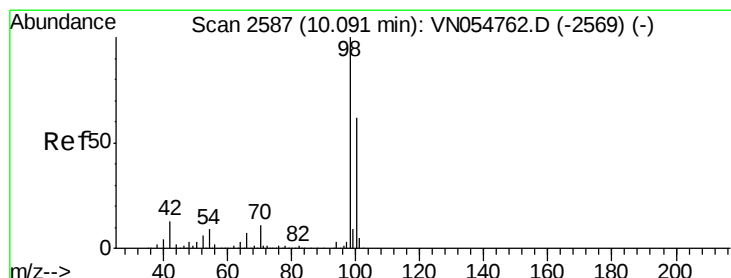
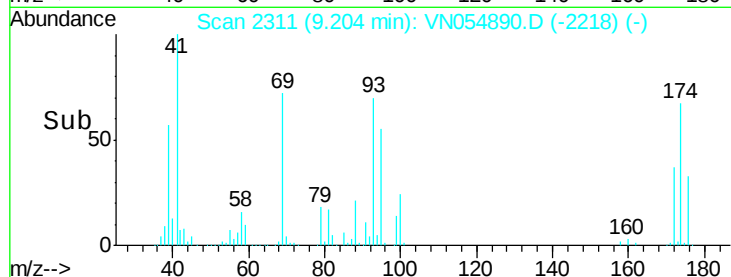
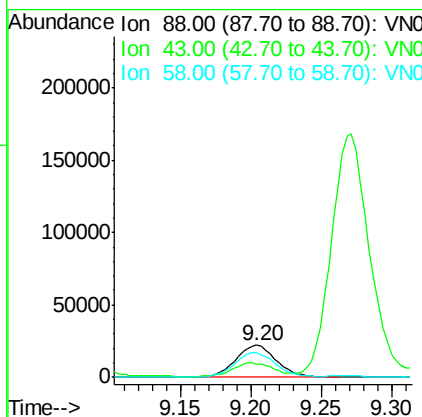
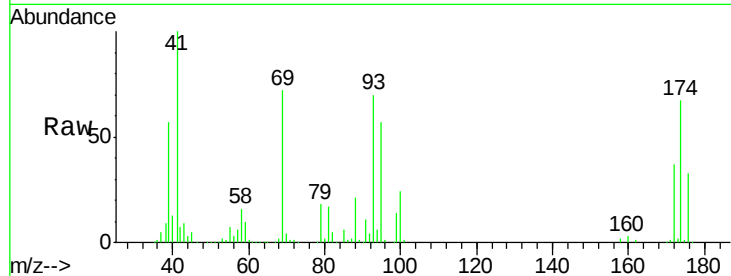
#49
1,4-Dioxane
Concen: 1034.953 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	88	Resp	45039
Ion Ratio	100	Lower	Upper
88	100		
43	42.5	24.1	36.1#
58	77.7	50.8	76.2#

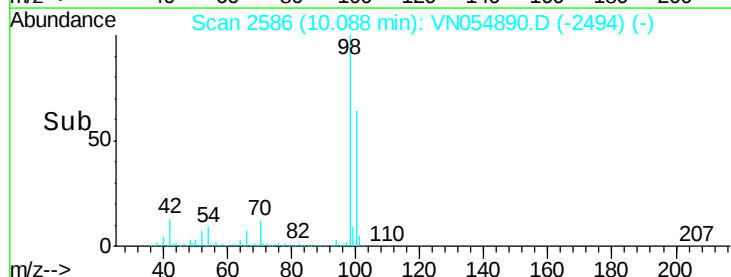
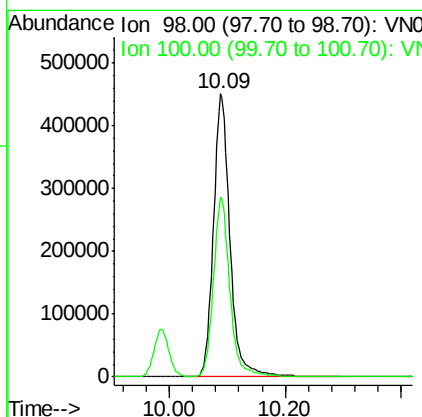
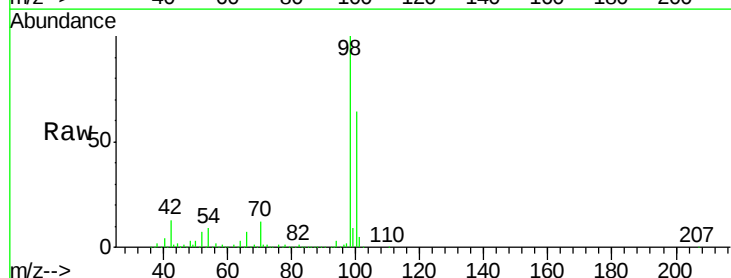
Manual Integrations
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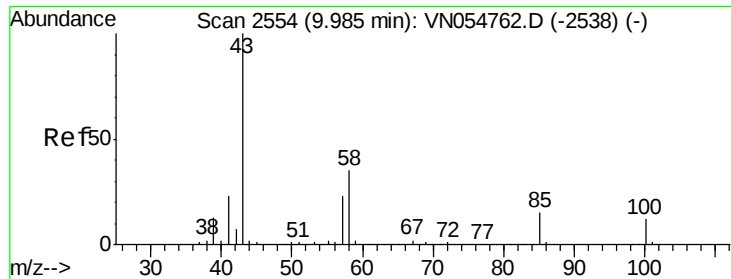
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#50
Toluene-d8
Concen: 49.545 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Tgt Ion	98	Resp	894894
Ion Ratio	100	Lower	Upper
98	100		
100	62.7	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 263.563 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1198931

Ion Ratio Lower Upper

43 100

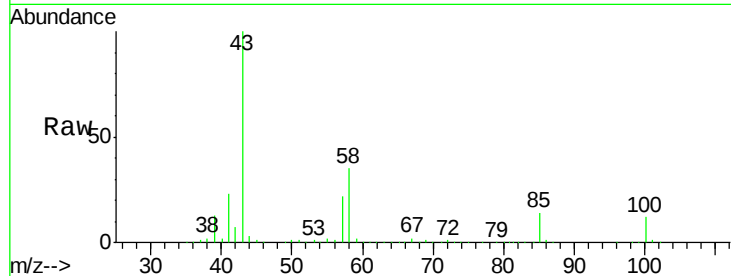
58 35.0 31.8 47.6

Manual Integrations

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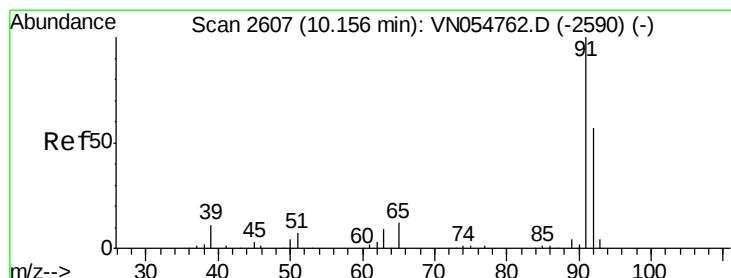
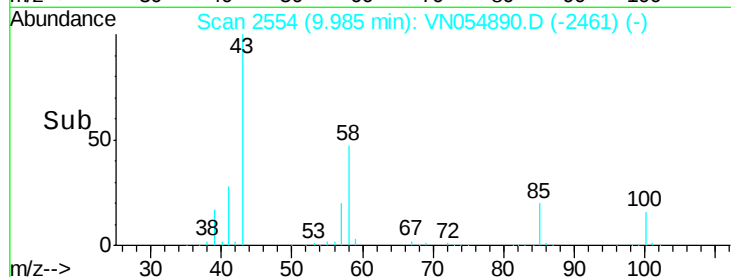
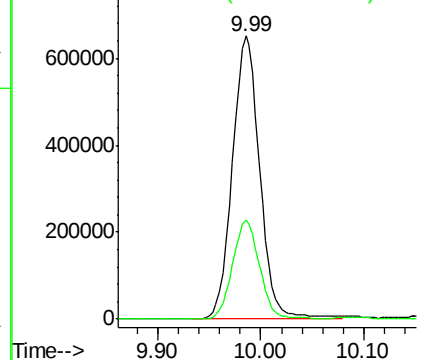
MMDadoda

4/3/2019 10:43:46 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.569 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054890.D

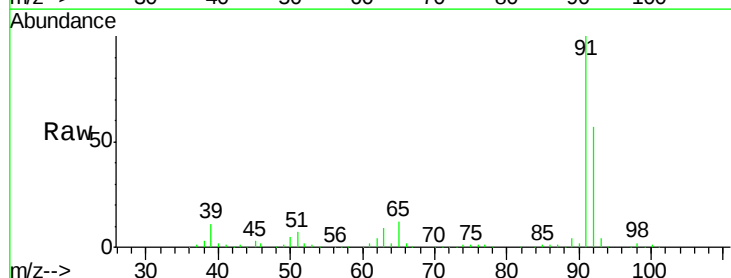
Acq: 2 Apr 2019 9:31

Tgt Ion: 92 Resp: 596203

Ion Ratio Lower Upper

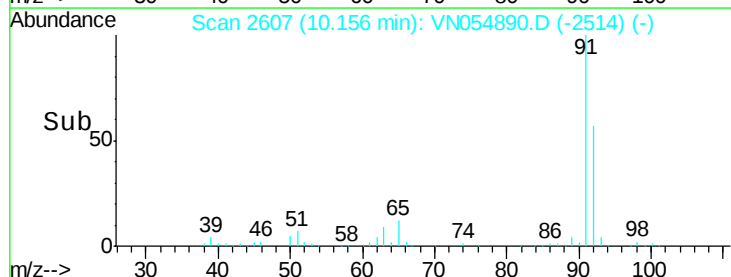
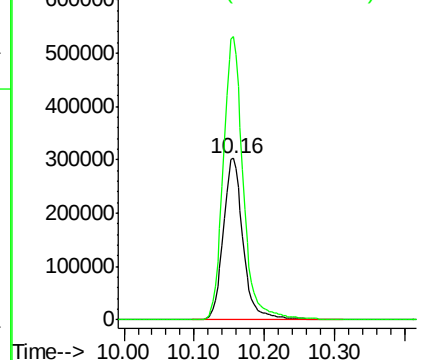
92 100

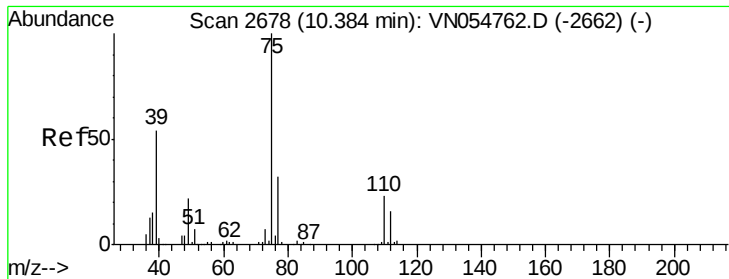
91 175.9 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





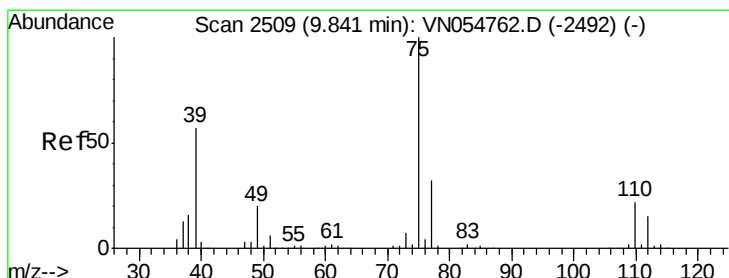
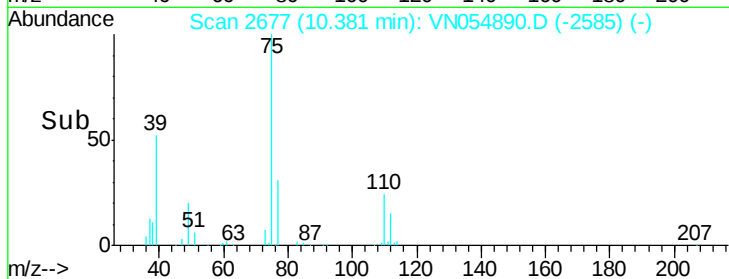
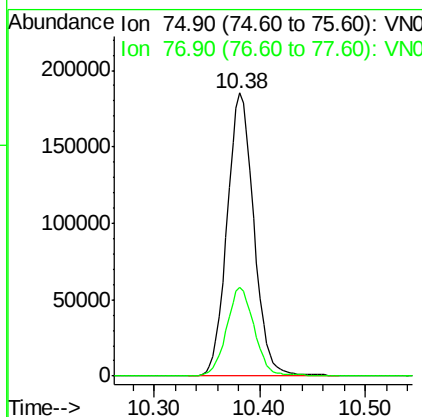
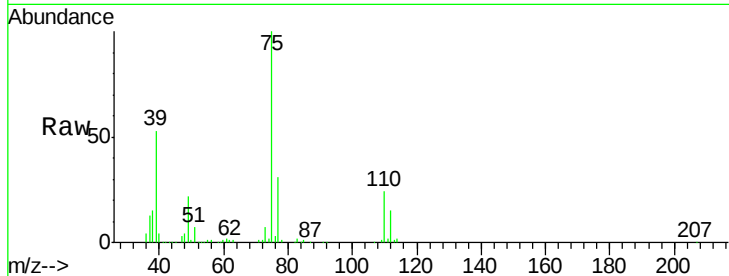
#53
t-1,3-Dichloropropene
Concen: 53.459 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.8	38.8

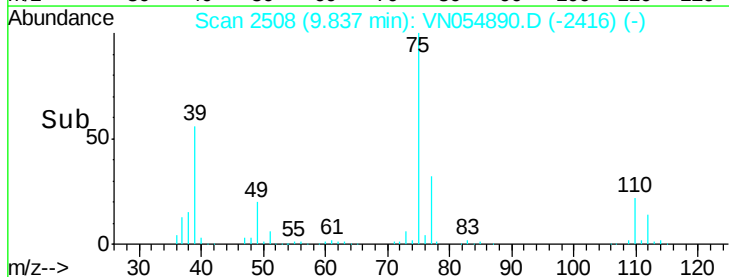
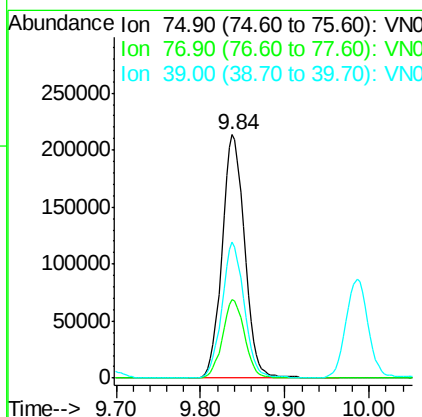
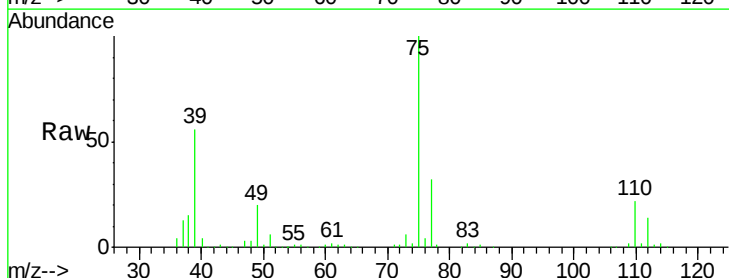
Manual Integrations
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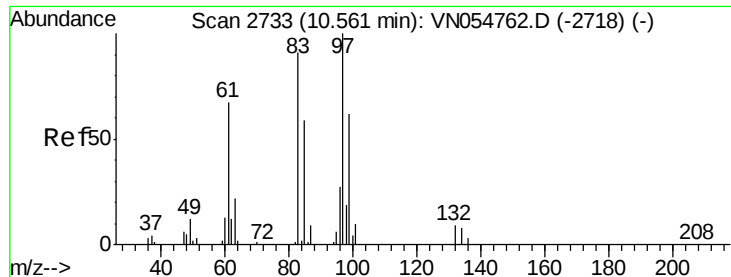
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#54
cis-1,3-Dichloropropene
Concen: 54.523 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.0
39	55.7	37.2	55.8





#55

1,1,2-Trichloroethane

Concen: 50.085 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Instrument :

MSVOA_N

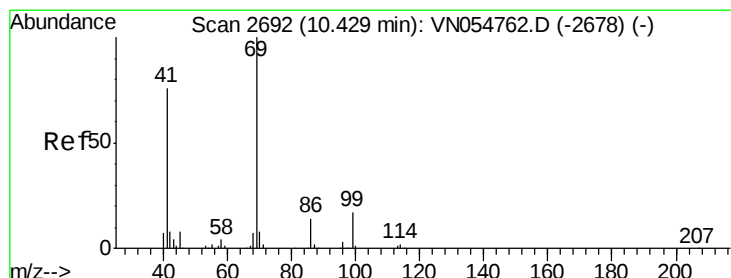
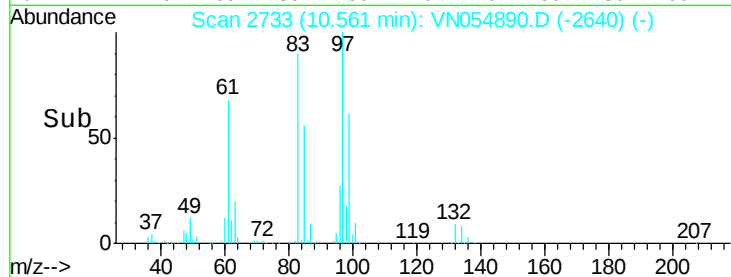
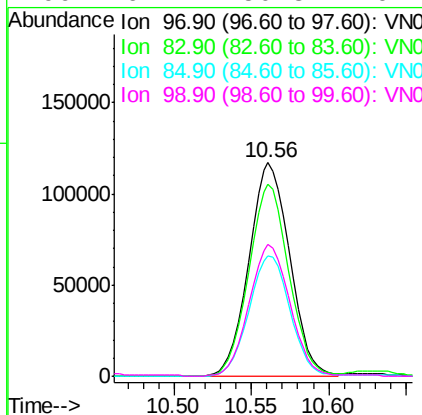
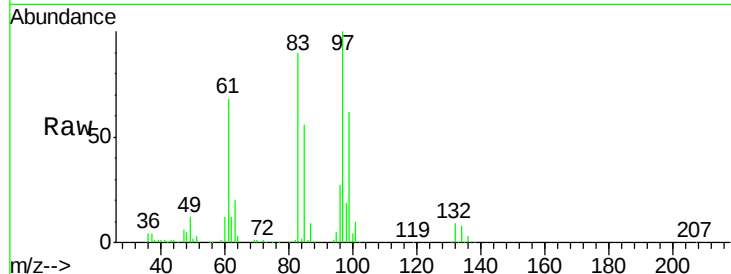
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	215312
Ion	Ratio	Lower	Upper
97	100		
83	90.2	66.6	100.0
85	56.5	44.4	66.6
99	61.4	50.8	76.2

Manual Integrations
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#56

Ethyl methacrylate

Concen: 51.192 ug/l

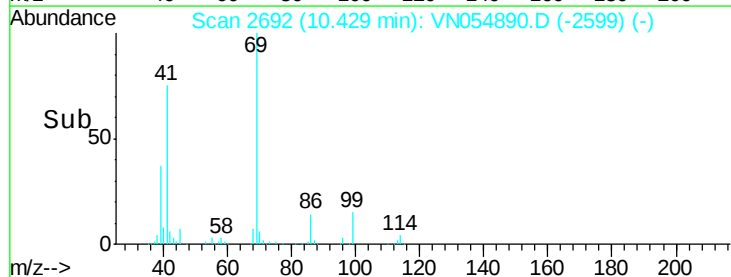
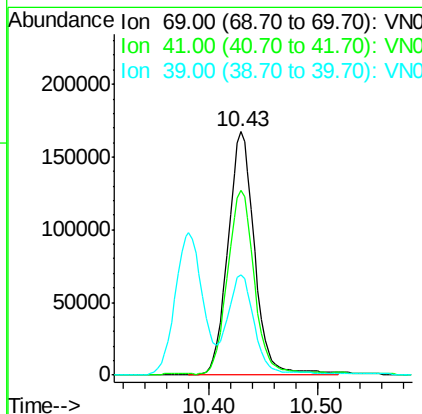
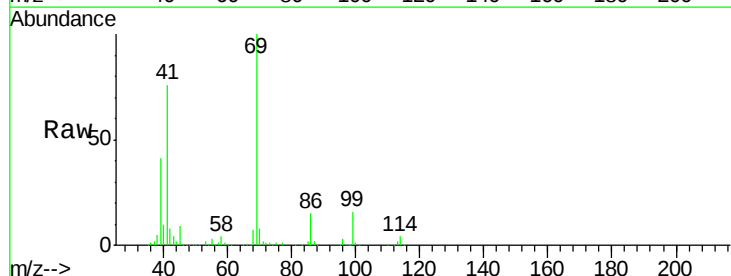
RT: 10.43 min Scan# 2692

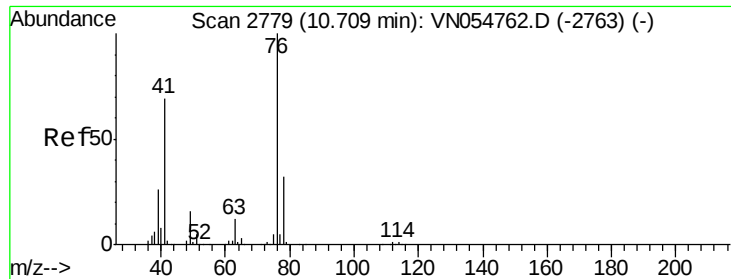
Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Tgt Ion:	69	Resp:	288685
Ion	Ratio	Lower	Upper
69	100		
41	75.6	49.4	74.2#
39	38.8	28.3	42.5





#57

1,3-Dichloropropane

Concen: 51.102 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 377682

Ion Ratio Lower Upper

76 100

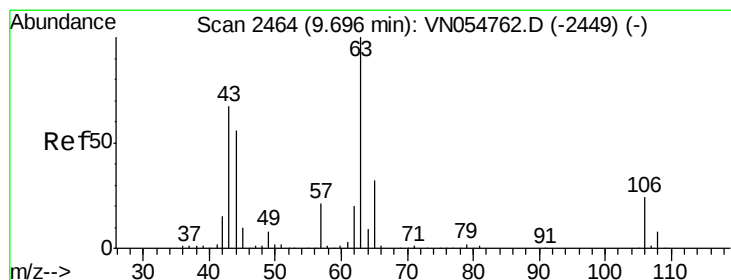
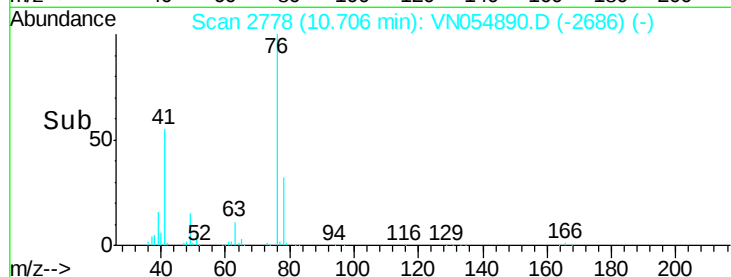
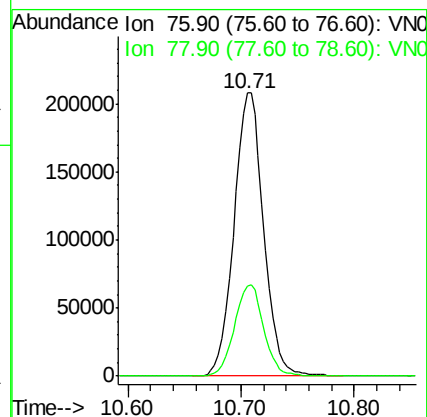
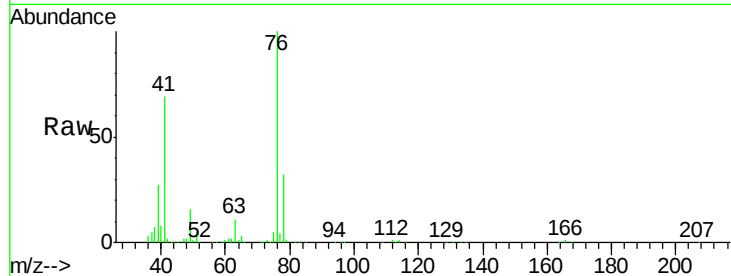
78 32.1 25.7 38.5

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 222.262 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN054890.D

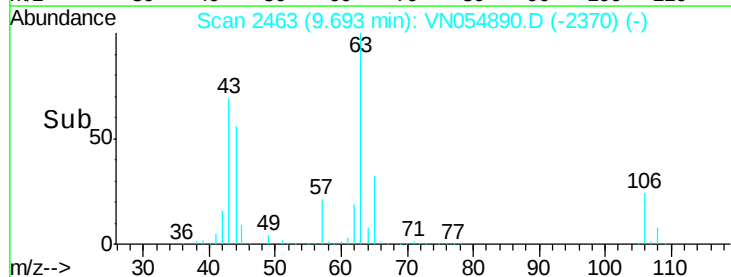
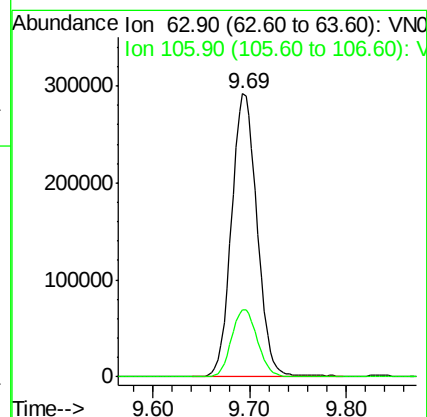
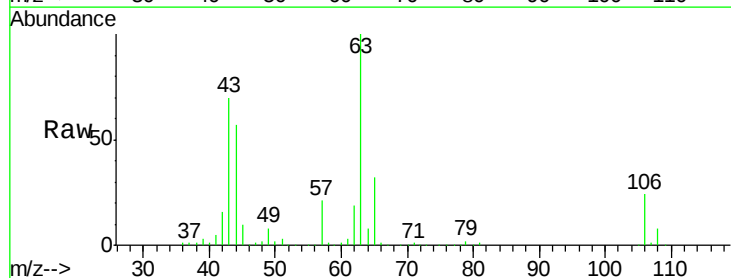
Acq: 2 Apr 2019 9:31

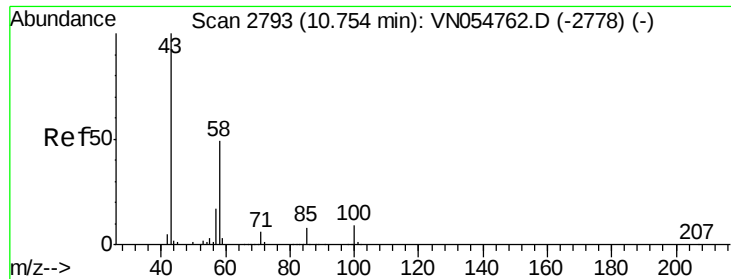
Tgt Ion: 63 Resp: 537006

Ion Ratio Lower Upper

63 100

106 24.1 24.4 36.6#





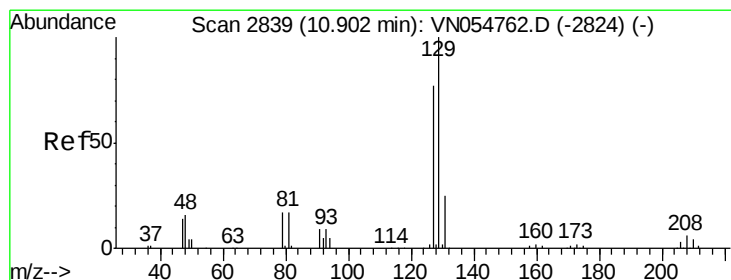
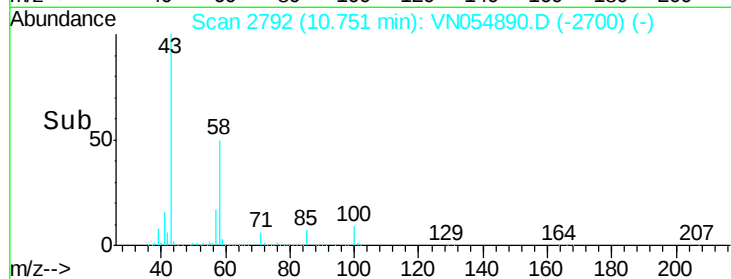
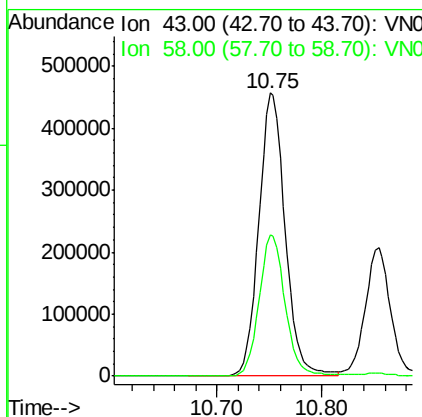
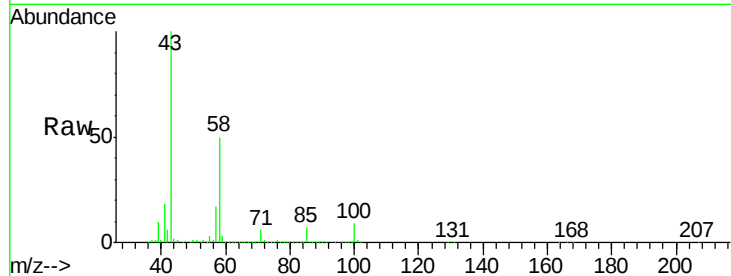
#59
2-Hexanone
Concen: 272.819 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	43	Resp	794461
Ion Ratio	100	Lower	Upper
43	100		
58	49.5	28.0	83.9

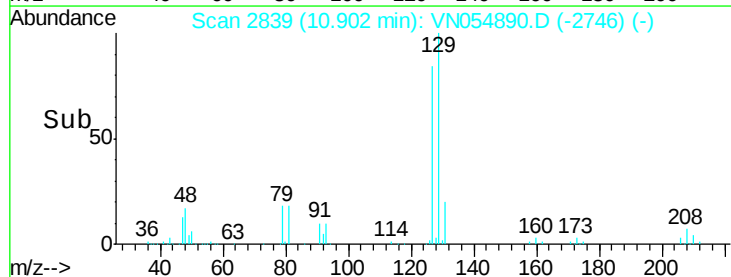
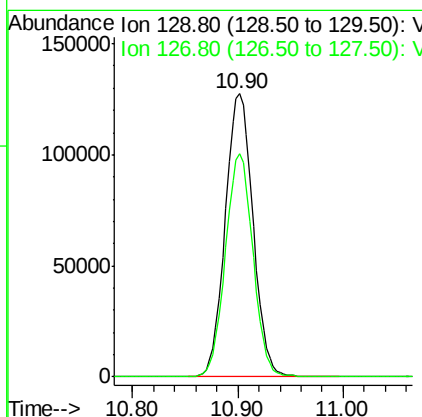
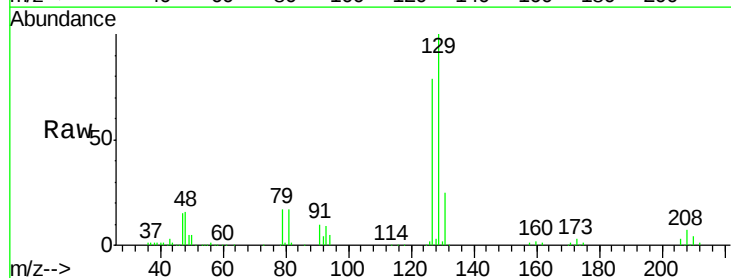
Manual Integrations
APPROVED

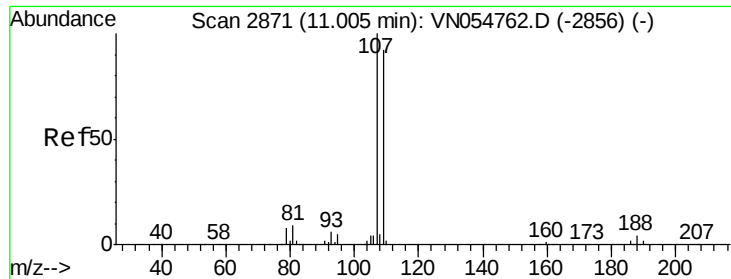
MMDadoda
4/3/2019 10:43:46 AM



#60
Dibromochloromethane
Concen: 53.376 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Tgt Ion	129	Resp	232439
Ion Ratio	100	Lower	Upper
129	100		
127	78.2	38.6	115.8





#61

1,2-Dibromoethane

Concen: 50.973 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 209411

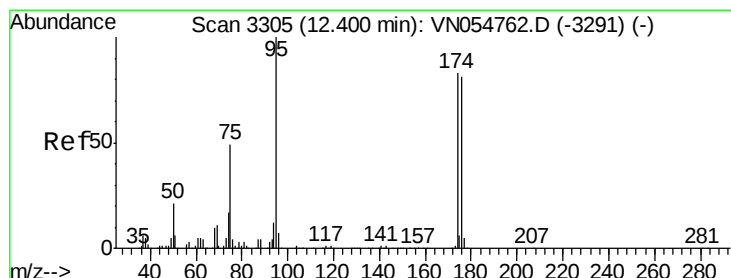
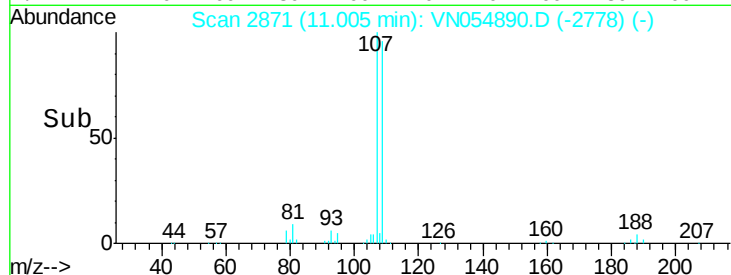
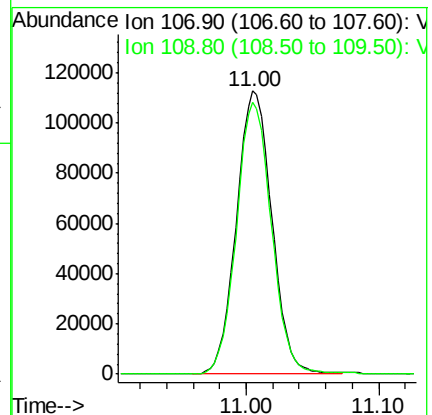
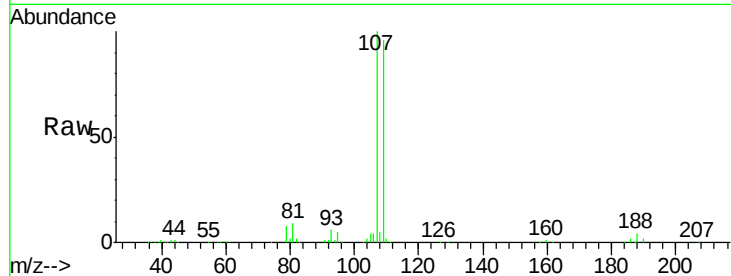
Ion Ratio Lower Upper

107 100

109 94.7 75.9 113.9

Manual Integrations
APPROVED

MMDadoda
4/3/2019 10:43:46 AM



#62

4-Bromofluorobenzene

Concen: 51.909 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

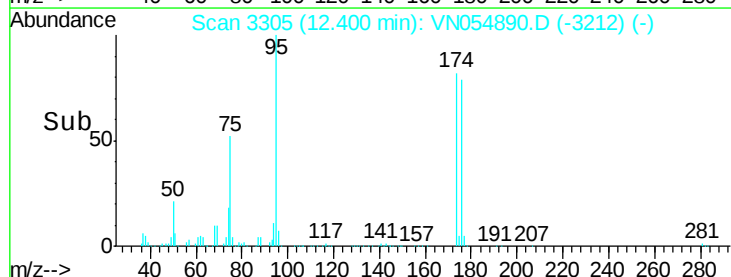
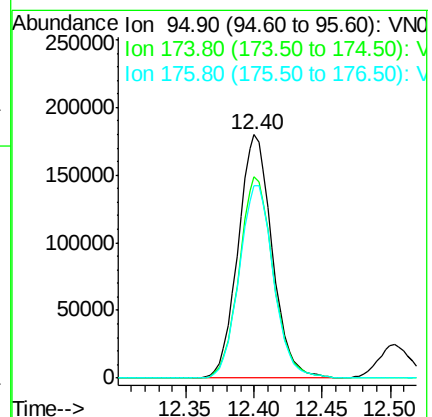
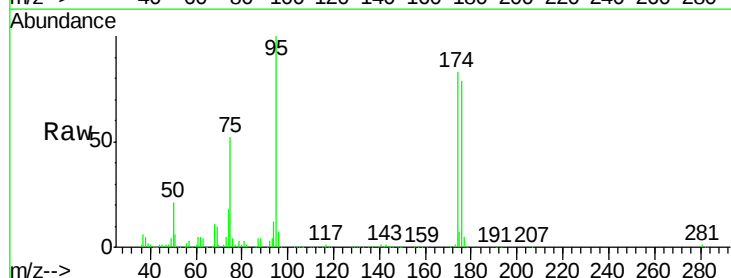
Tgt Ion: 95 Resp: 311820

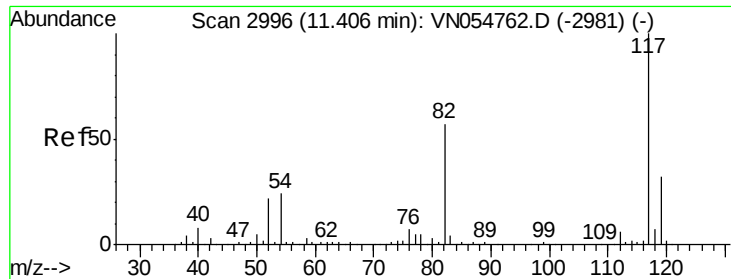
Ion Ratio Lower Upper

95 100

174 82.5 0.0 191.0

176 80.1 0.0 187.4





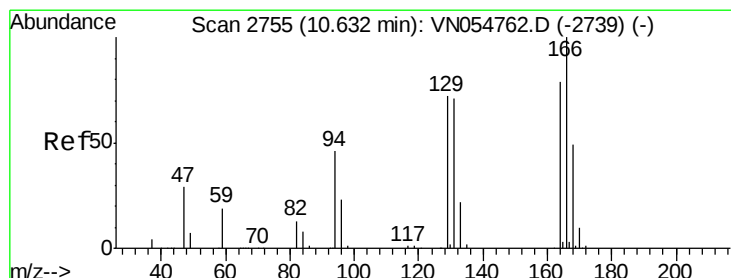
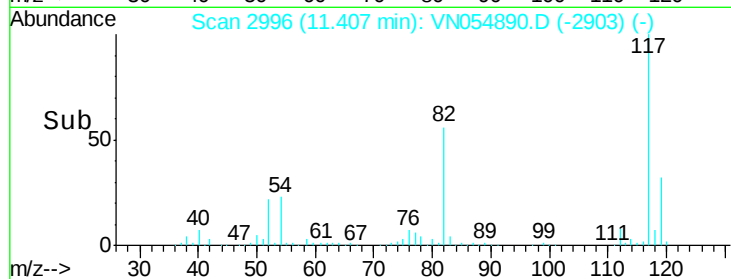
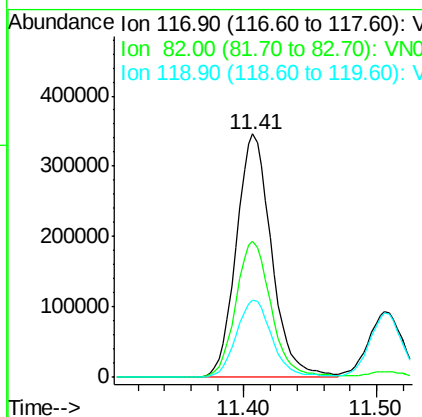
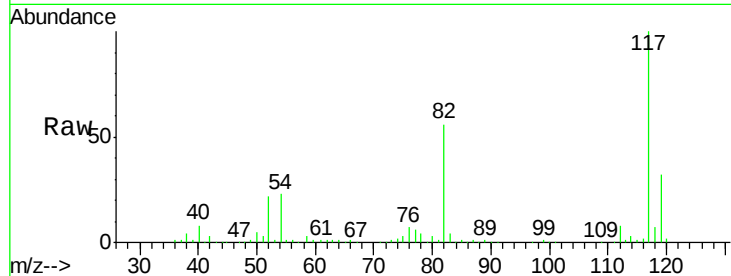
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	40.0	60.0
119	31.9	25.8	38.6

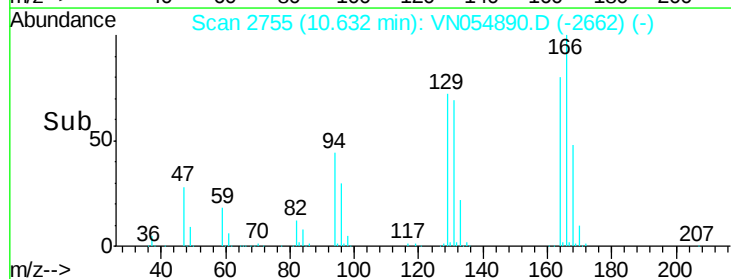
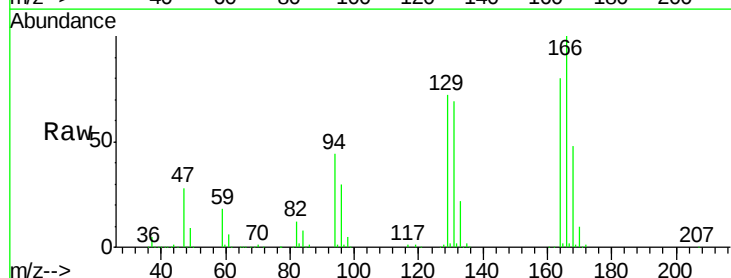
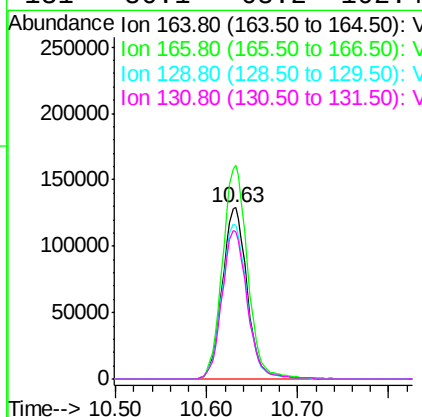
Manual Integrations
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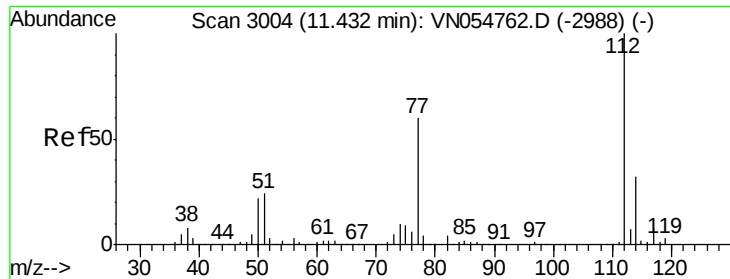
MMDadoda
4/3/2019 10:43:46 AM



#64
Tetrachloroethene
Concen: 49.876 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.9	103.9	155.9
129	89.6	71.1	106.7
131	86.1	68.2	102.4





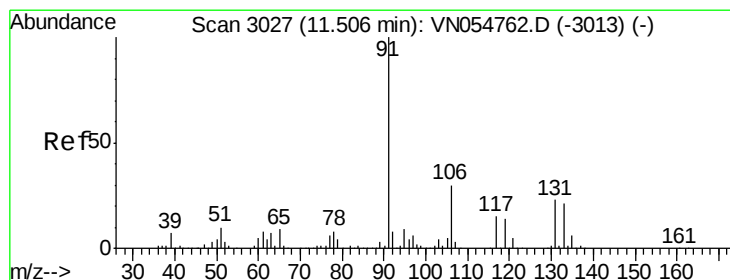
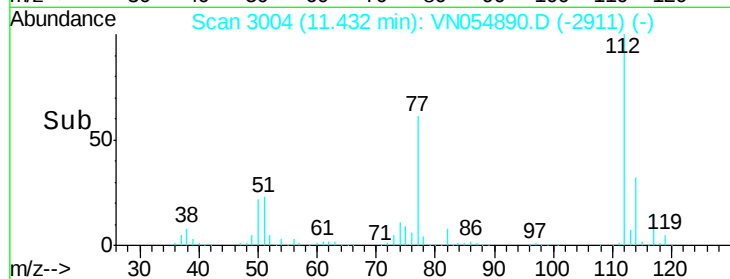
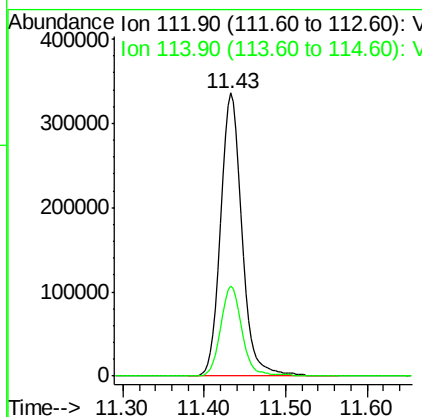
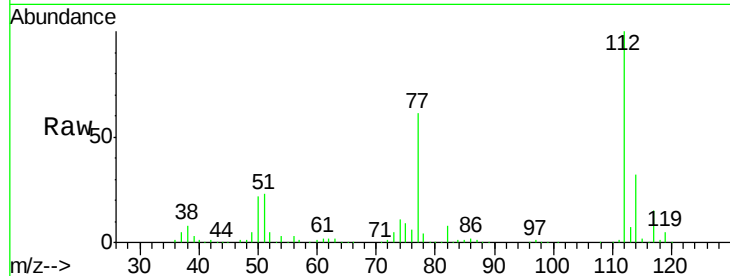
#65
Chlorobenzene
Concen: 49.986 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 626011
Ion Ratio Lower Upper
112 100
114 32.0 25.9 38.9

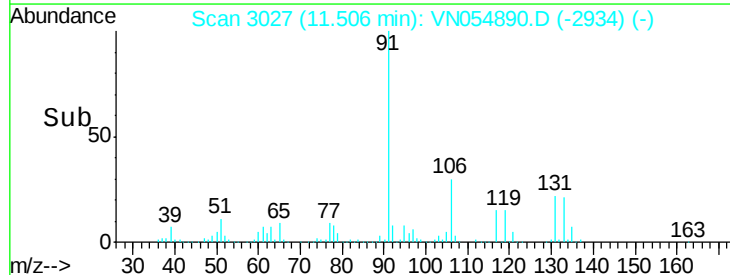
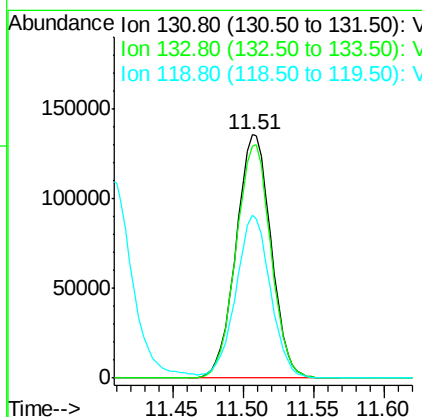
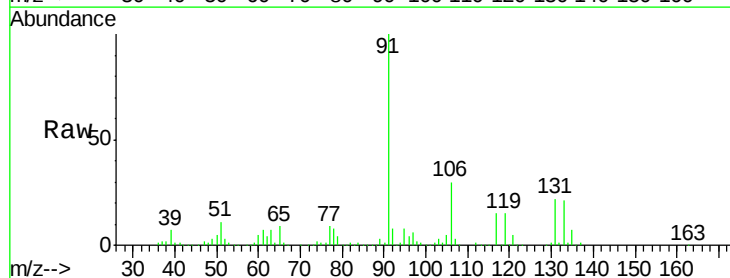
Manual Integrations
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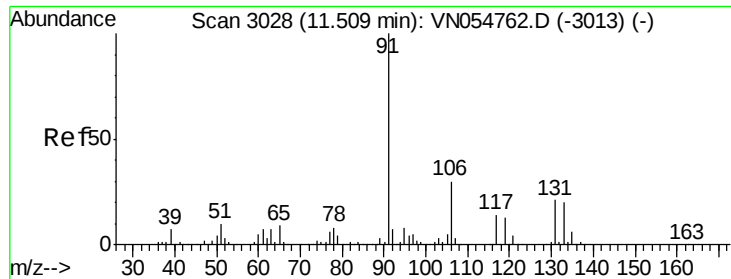
MMDadoda
4/3/2019 10:43:46 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.488 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Tgt Ion:131 Resp: 236670
Ion Ratio Lower Upper
131 100
133 95.5 47.6 142.9
119 66.2 32.4 97.0





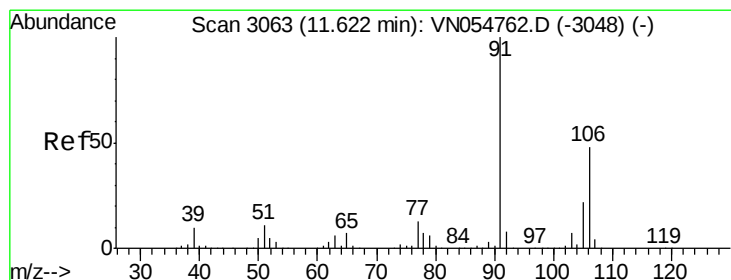
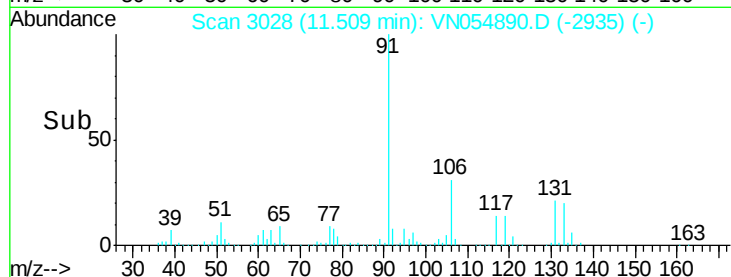
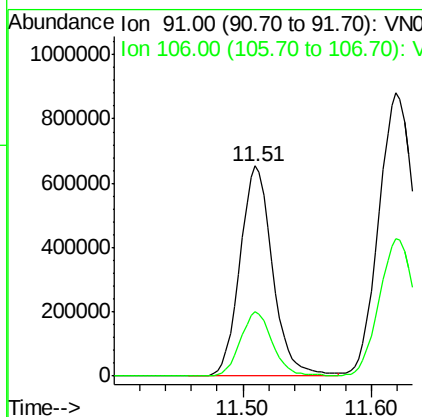
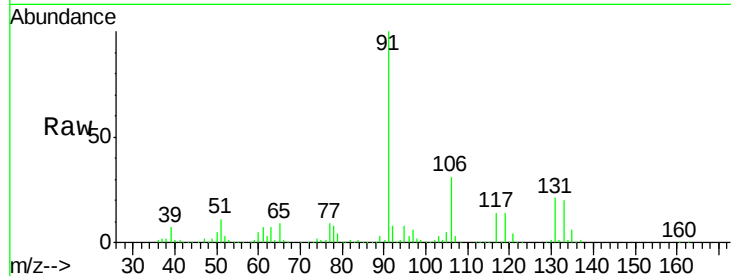
#67
Ethyl Benzene
Concen: 50.851 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1149225
Ion Ratio Lower Upper
91 100
106 30.5 25.5 38.3

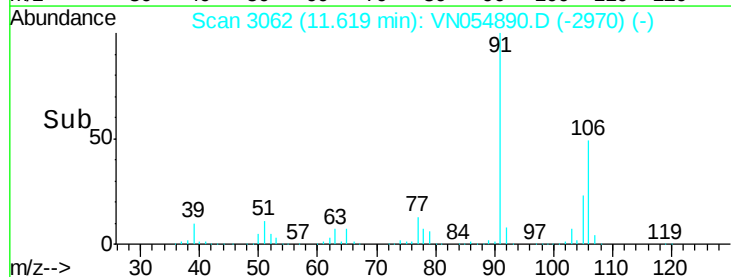
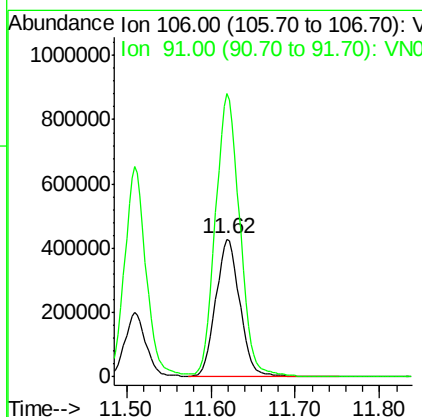
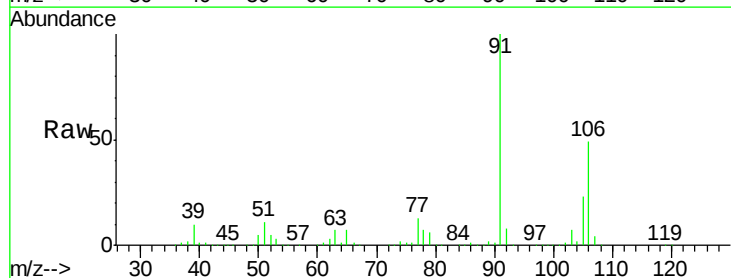
Manual Integrations
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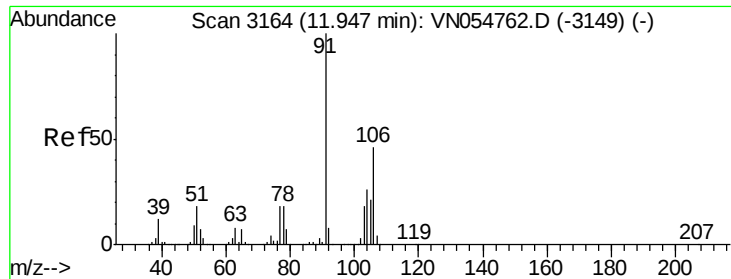
MMDadoda
4/3/2019 10:43:46 AM



#68
m/p-Xylenes
Concen: 101.973 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Tgt Ion: 106 Resp: 852832
Ion Ratio Lower Upper
106 100
91 207.6 159.4 239.2





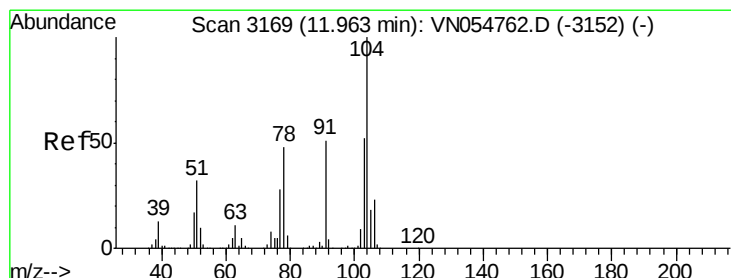
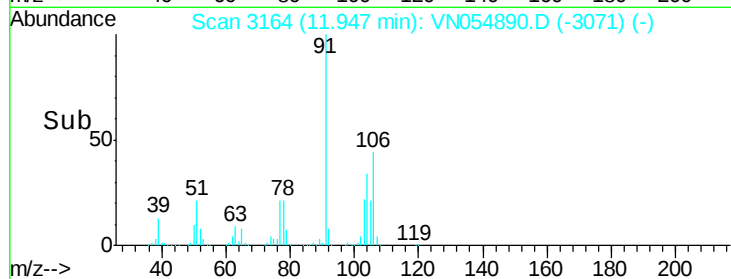
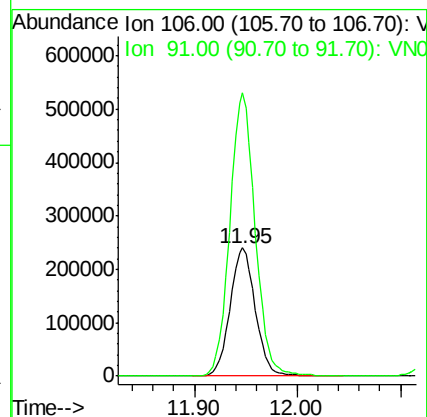
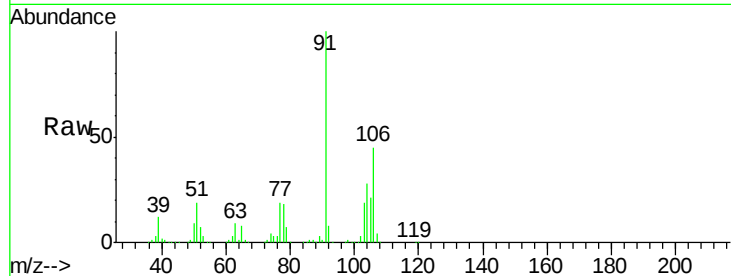
#69
o-Xylene
Concen: 49.905 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
106	100	409271		
91	221.1	105.7	317.1	

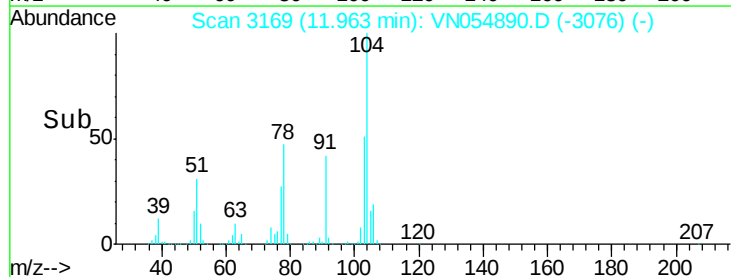
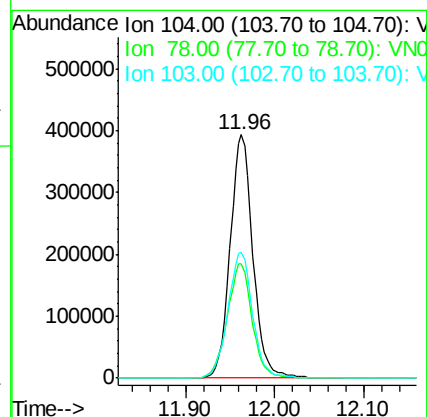
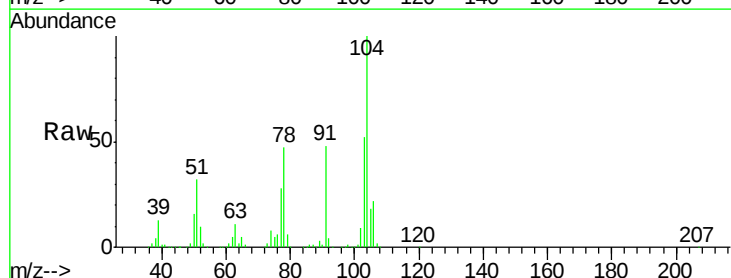
Manual Integrations
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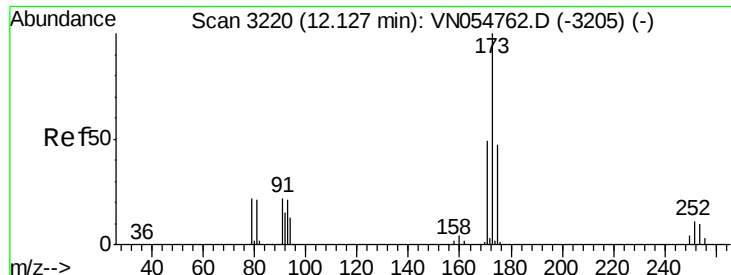
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#70
Styrene
Concen: 52.810 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	692492		
78	51.5	38.2	57.2	
103	56.5	44.4	66.6	





#71

Bromoform

Concen: 53.344 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Instrument :

MSVOA_N

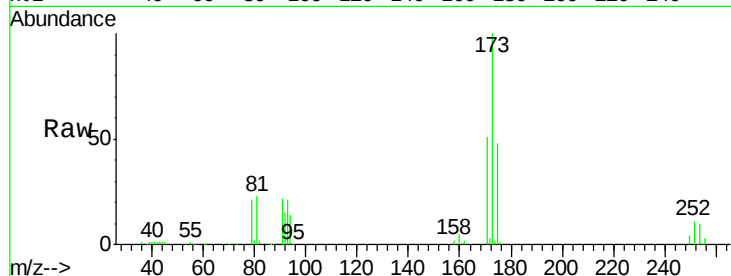
ClientSampled :

VSTDCCC050

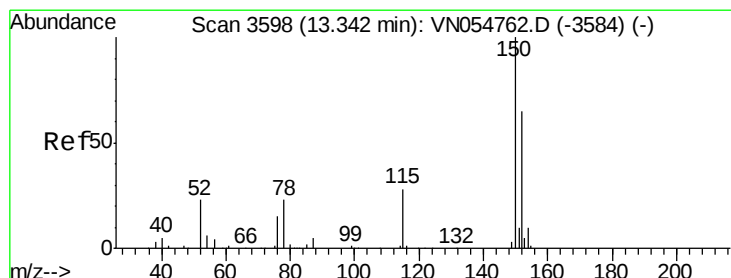
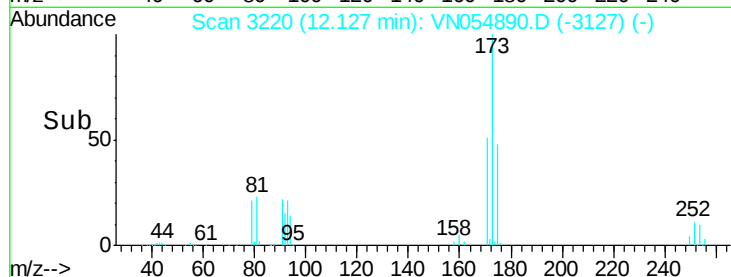
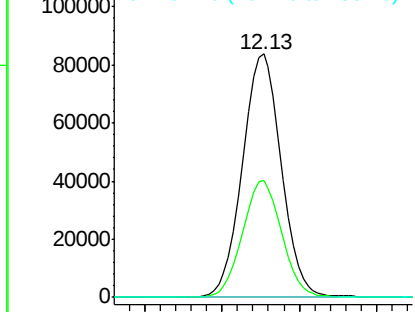
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.4	73.2
254	0.1	0.1	0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

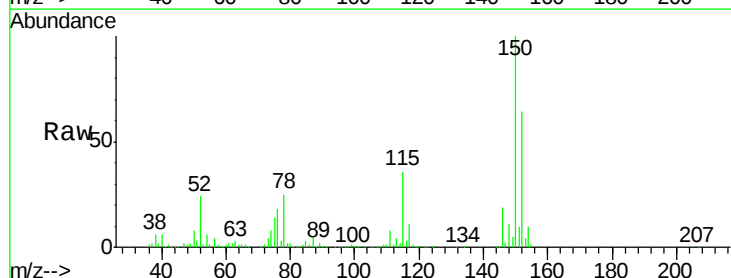
RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

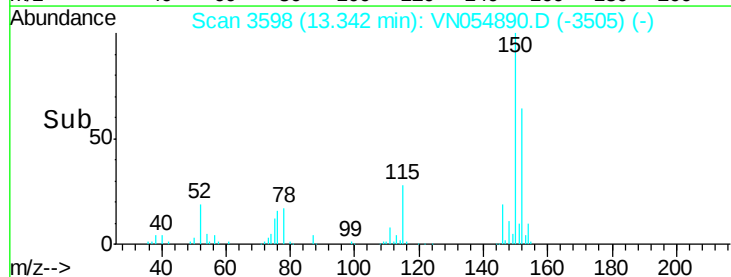
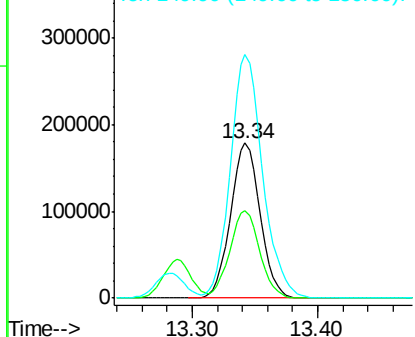
Lab File: VN054890.D

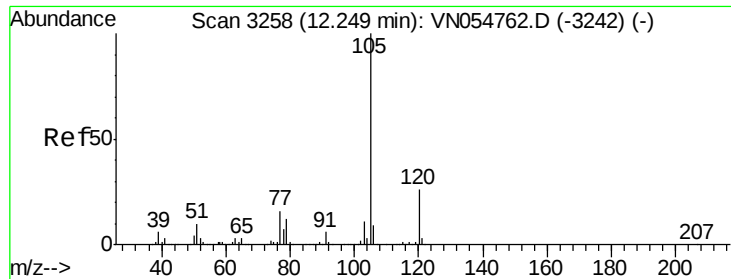
Acq: 2 Apr 2019 9:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.2	27.2	81.6
150	171.4	0.0	349.2



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





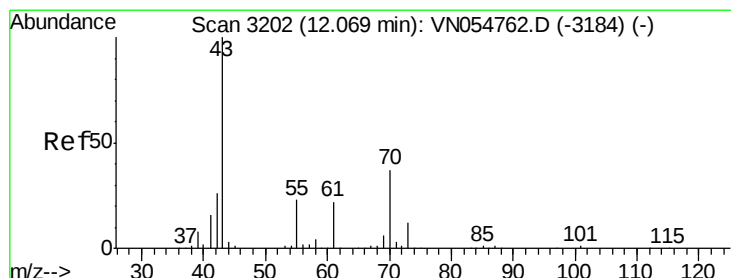
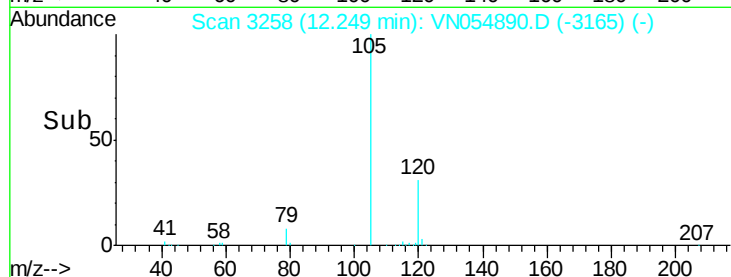
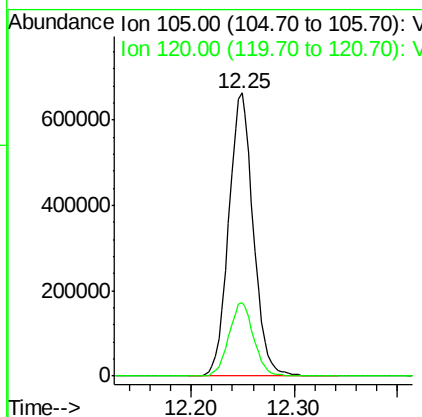
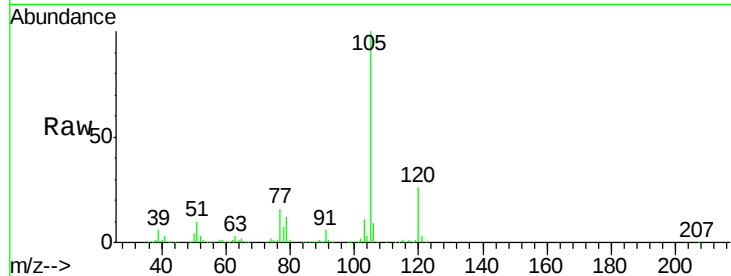
#73
Isopropylbenzene
Concen: 46.140 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 1100227
Ion Ratio Lower Upper
105 100
120 26.2 13.8 41.3

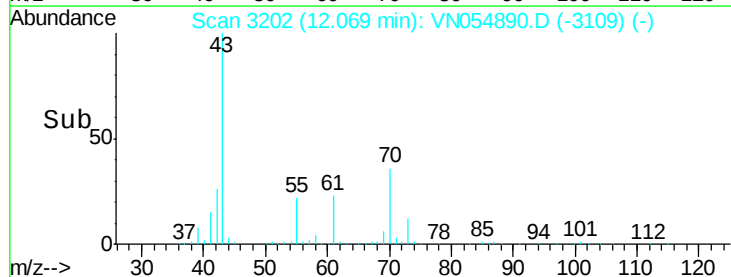
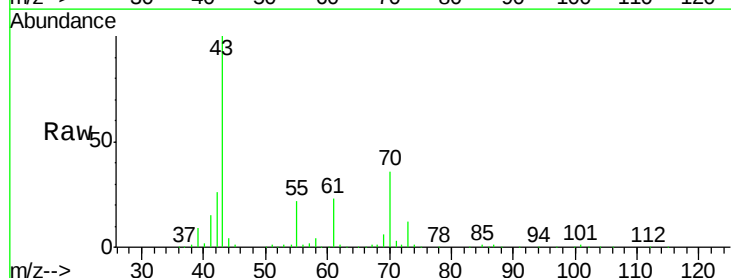
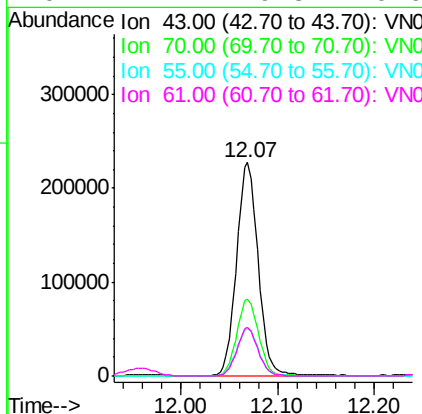
Manual Integrations
APPROVED

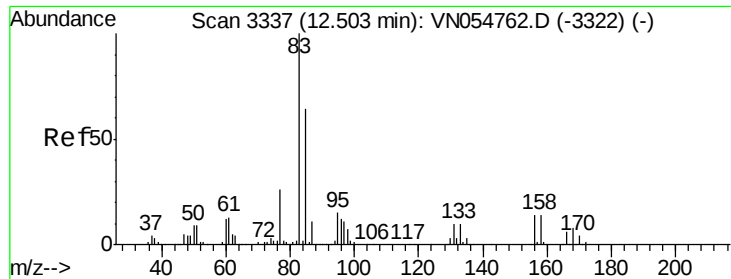
MMDadoda
4/3/2019 10:43:46 AM



#74
N-ethyl acetate
Concen: 47.518 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Tgt Ion: 43 Resp: 353010
Ion Ratio Lower Upper
43 100
70 36.5 35.4 53.0
55 22.8 19.8 29.6
61 22.2 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 51.250 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 269177

Ion Ratio Lower Upper

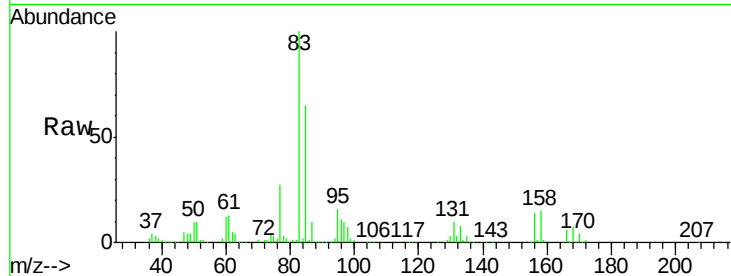
83 100

131 10.1 5.8 17.4

85 64.6 32.2 96.6

Manual Integrations
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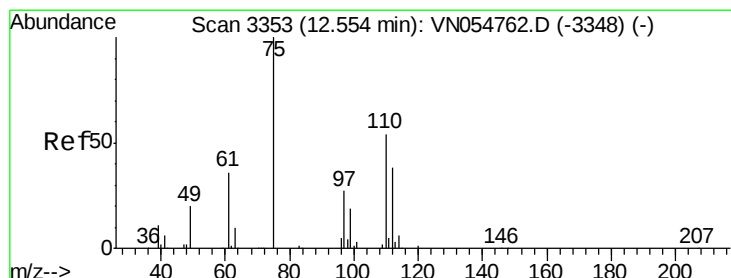
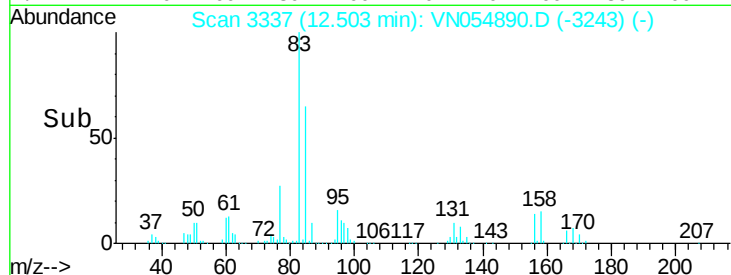
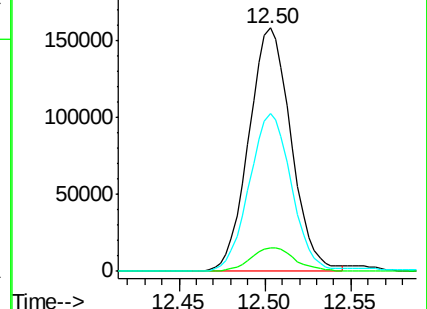
MMDadoda
4/3/2019 10:43:46 AM



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 46.620 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054890.D

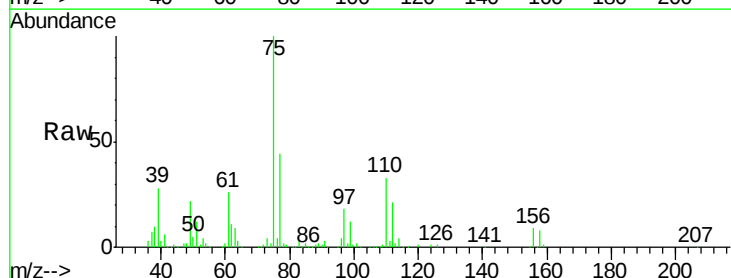
Acq: 2 Apr 2019 9:31

Tgt Ion: 75 Resp: 236281

Ion Ratio Lower Upper

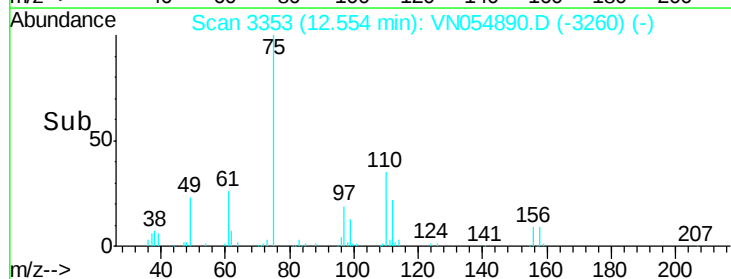
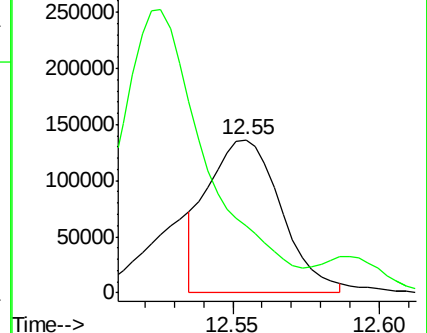
75 100

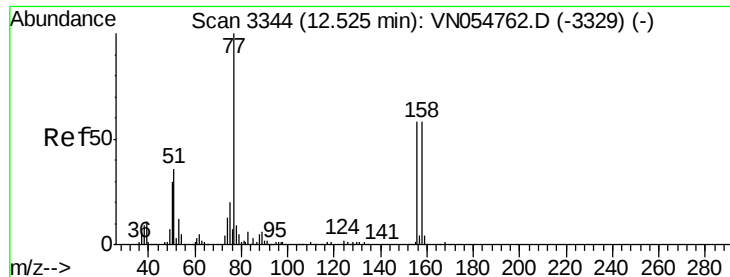
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 47.230 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Instrument :

MSVOA_N

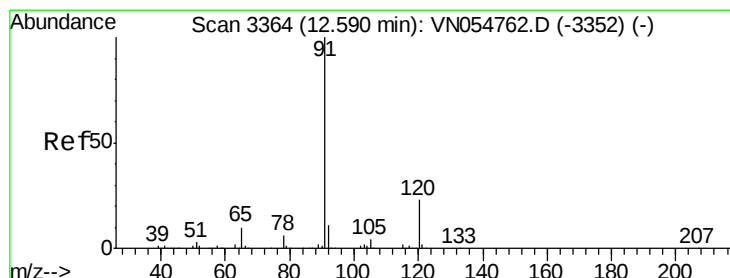
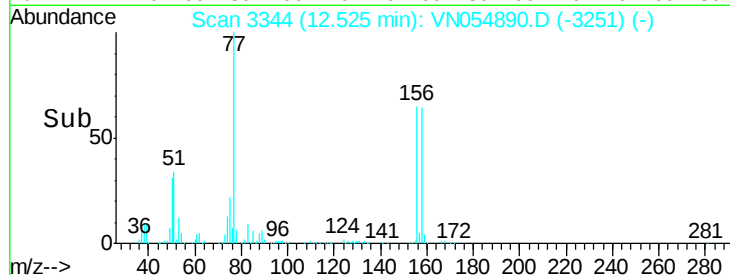
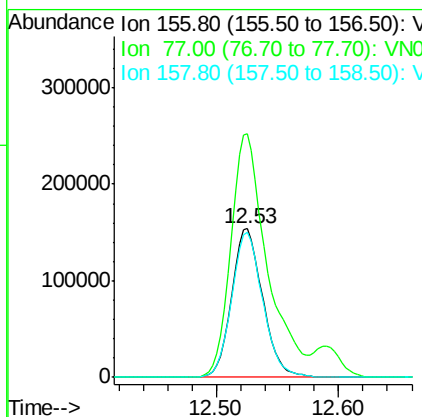
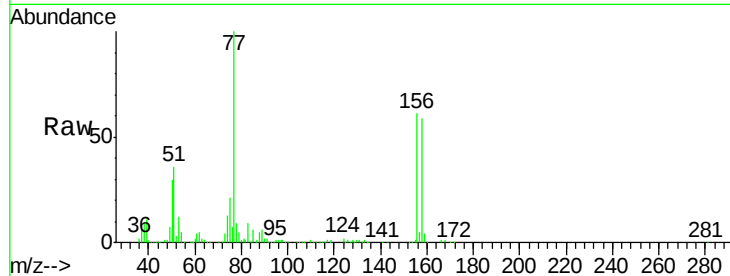
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	271812
Ion Ratio	Lower	Upper	
156	100		
77	192.1	81.5	244.4
158	97.9	49.0	147.2

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#78

n-propylbenzene

Concen: 48.252 ug/l

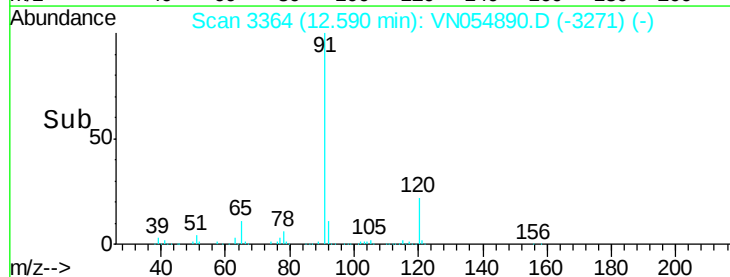
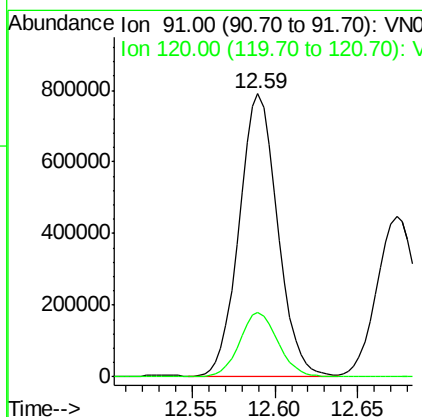
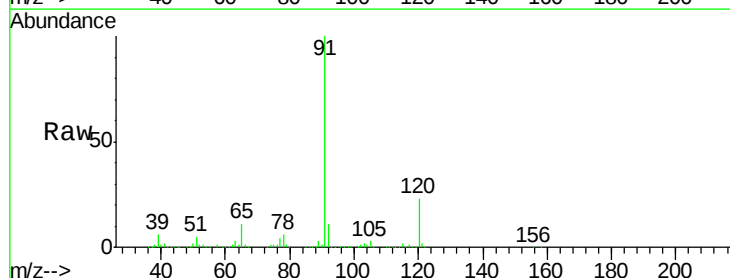
RT: 12.59 min Scan# 3364

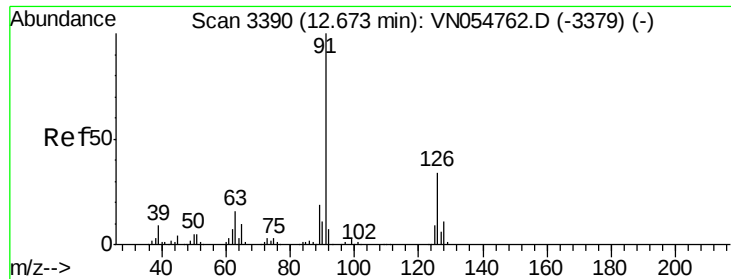
Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Tgt Ion:	91	Resp:	1264624
Ion Ratio	Lower	Upper	
91	100		
120	23.0	12.3	36.9





#79

2-Chlorotoluene

Concen: 46.768 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 758329

Ion Ratio Lower Upper

91 100

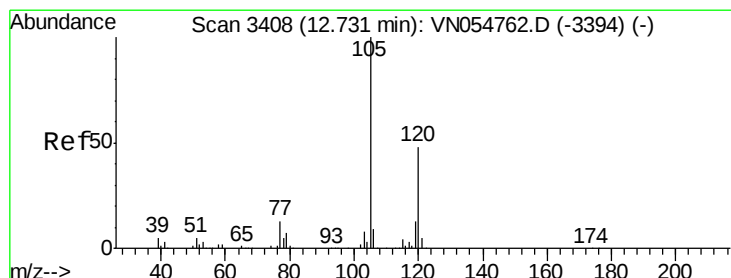
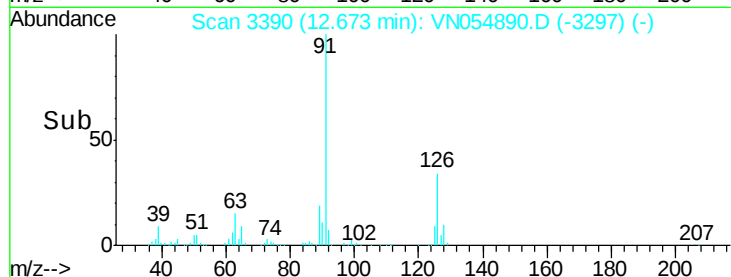
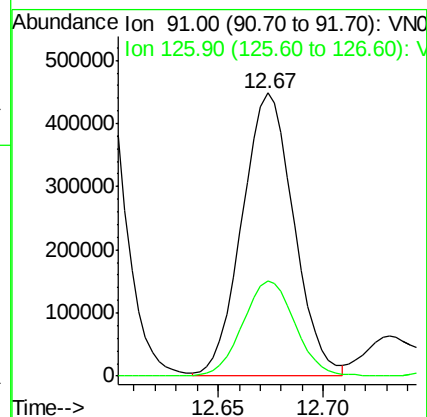
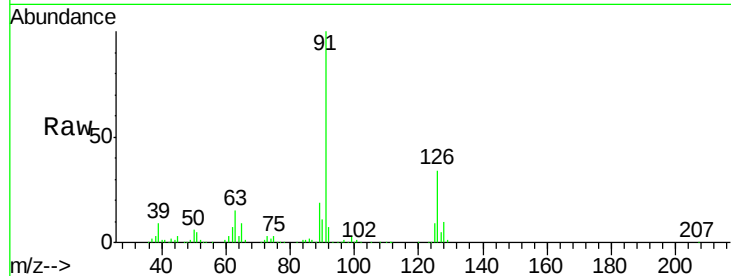
126 34.2 18.7 56.1

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#80

1,3,5-Trimethylbenzene

Concen: 47.396 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054890.D

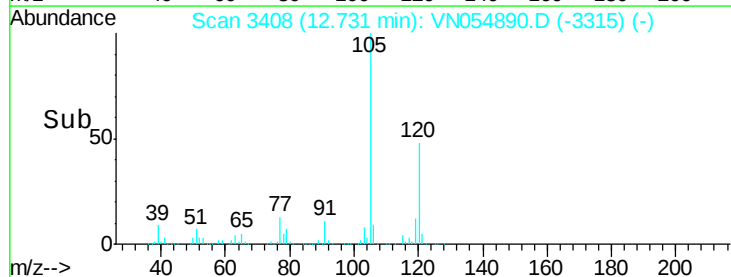
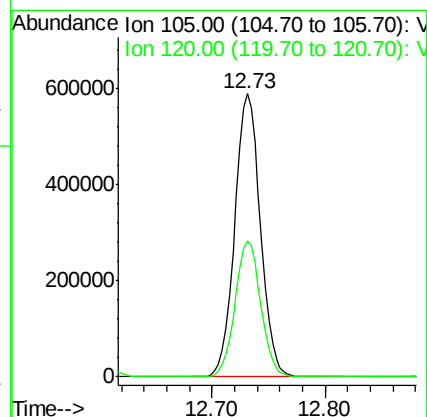
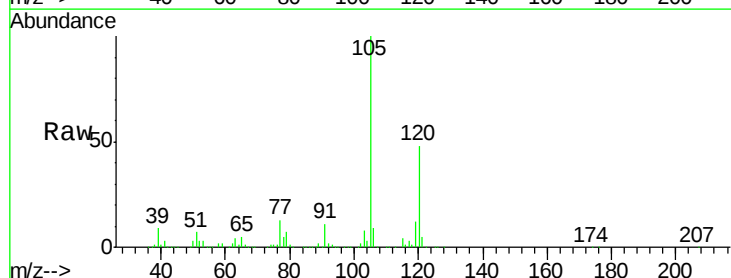
Acq: 2 Apr 2019 9:31

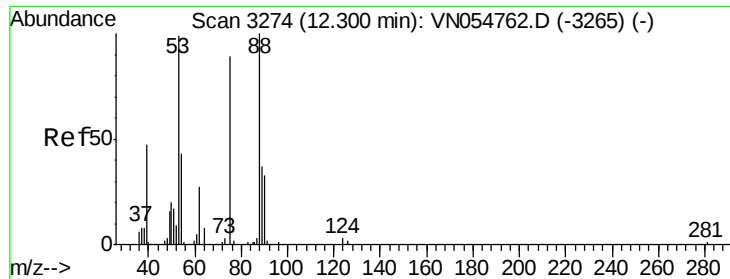
Tgt Ion: 105 Resp: 927359

Ion Ratio Lower Upper

105 100

120 48.2 25.0 75.0





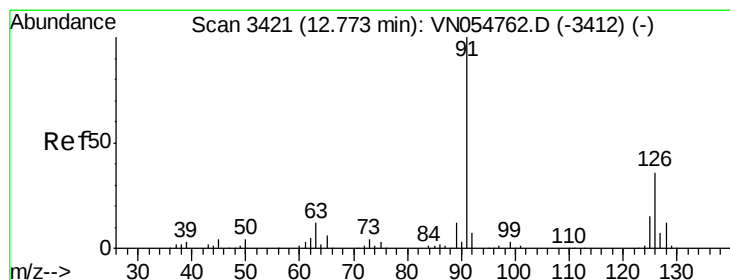
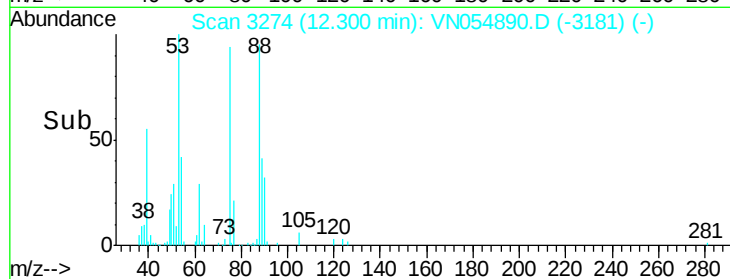
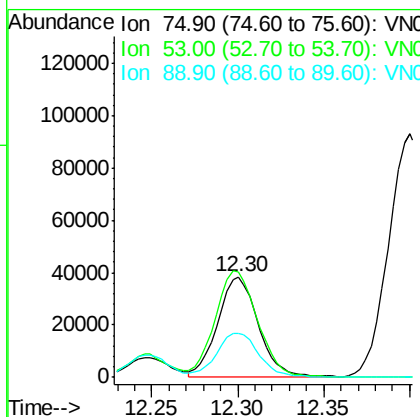
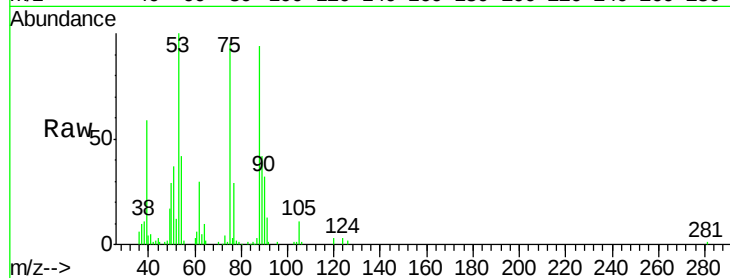
#81
trans-1,4-Dichloro-2-butene
Concen: 48.586 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.7	76.2	114.2
89	45.7	39.2	58.8

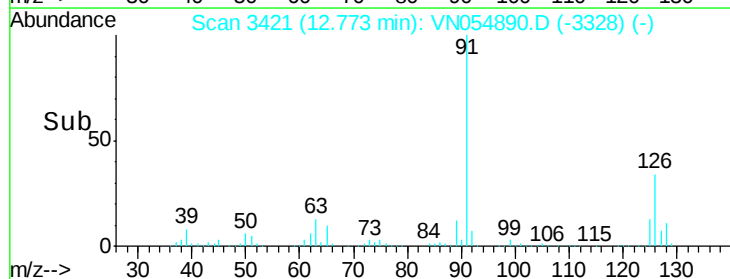
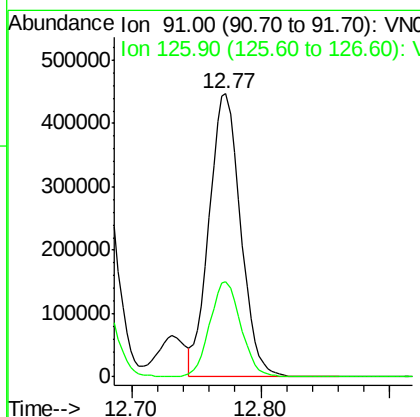
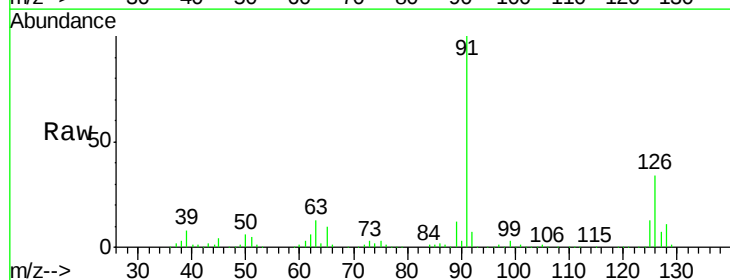
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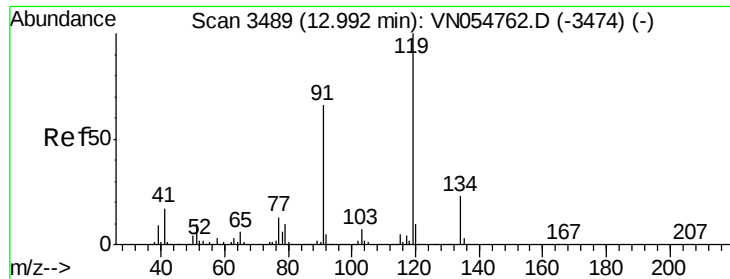
MMDadoda
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#82
4-Chlorotoluene
Concen: 48.031 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	18.1	54.1





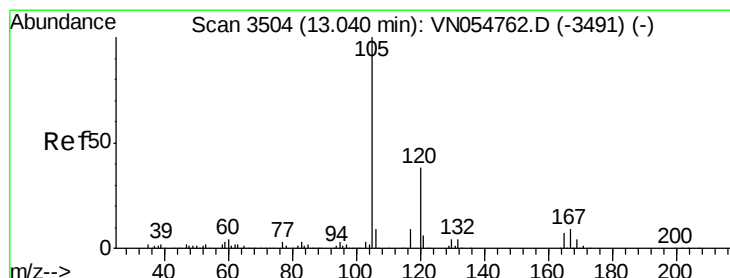
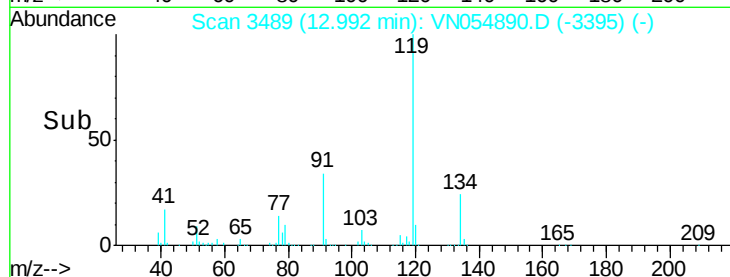
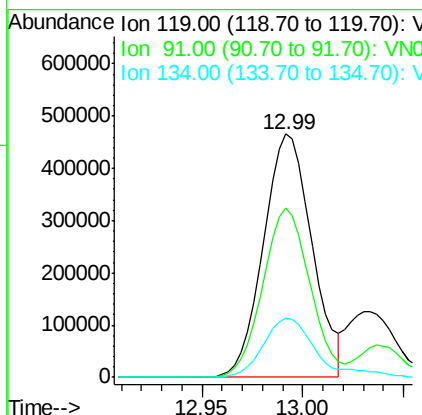
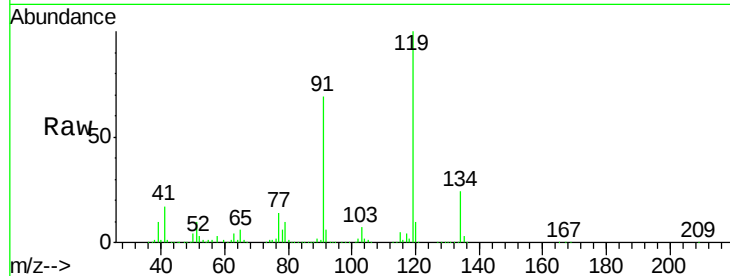
#83
 tert-Butylbenzene
 Concen: 51.446 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN054890.D
 Acq: 2 Apr 2019 9:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.8	30.9	92.8
134	26.6	13.2	39.6

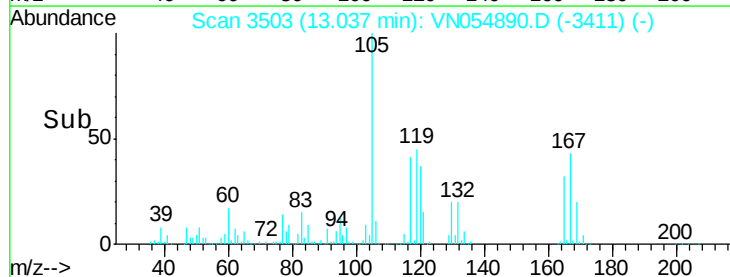
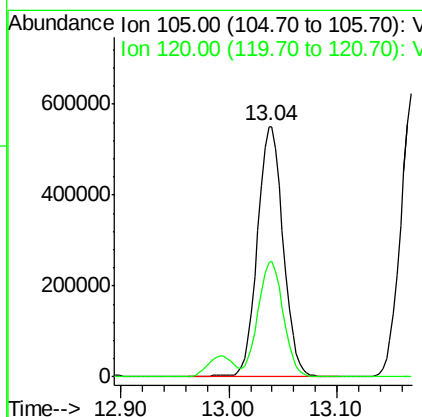
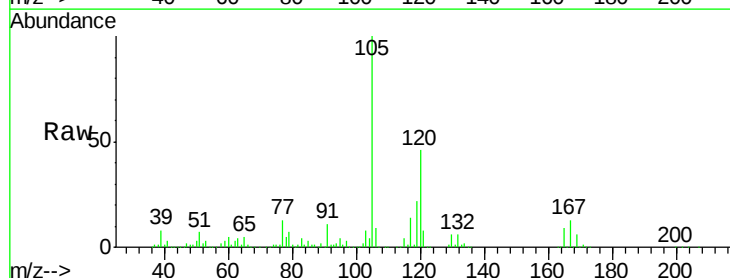
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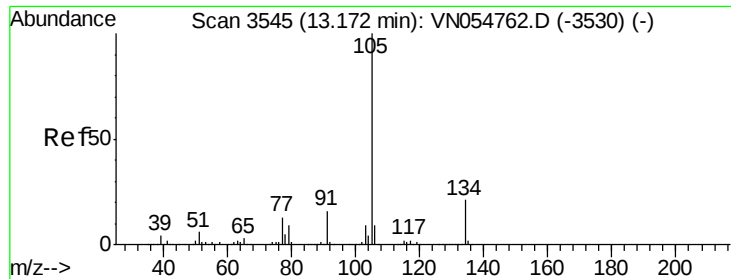
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.767 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN054890.D
 Acq: 2 Apr 2019 9:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	23.4	70.3





#85

sec-Butylbenzene

Concen: 48.349 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1027649

Ion Ratio Lower Upper

105 100

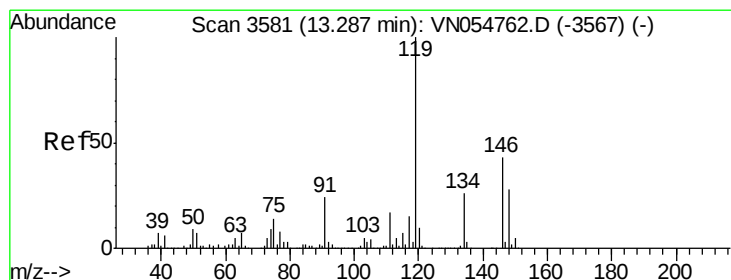
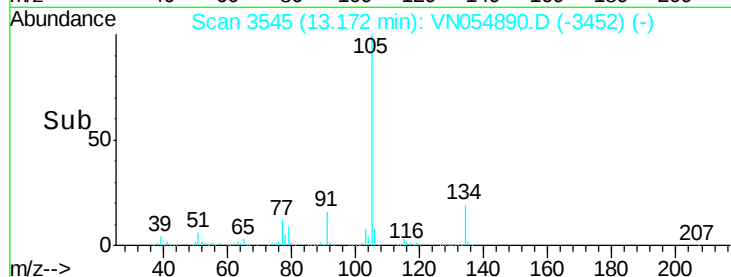
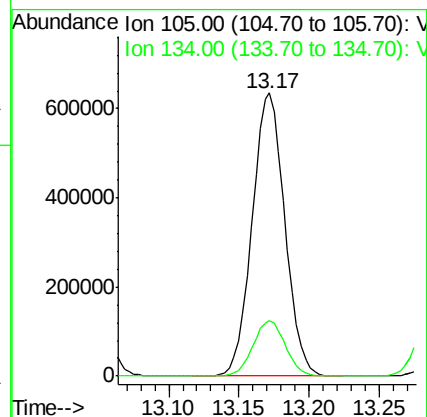
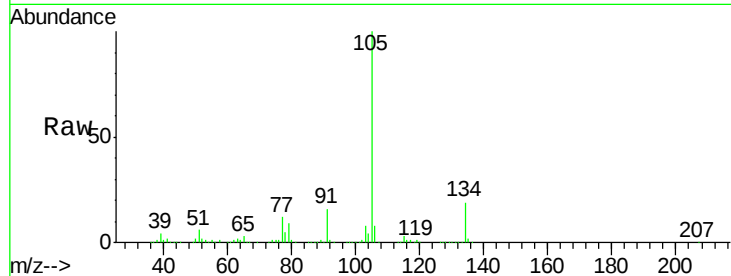
134 19.6 10.7 32.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 48.706 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

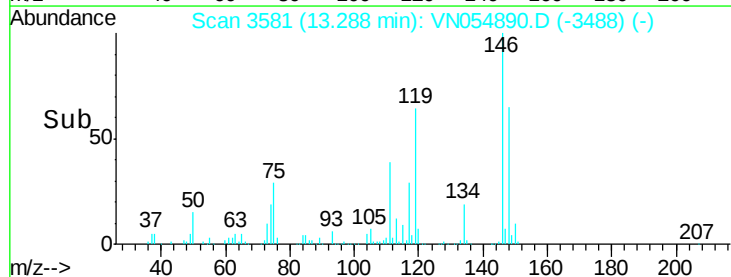
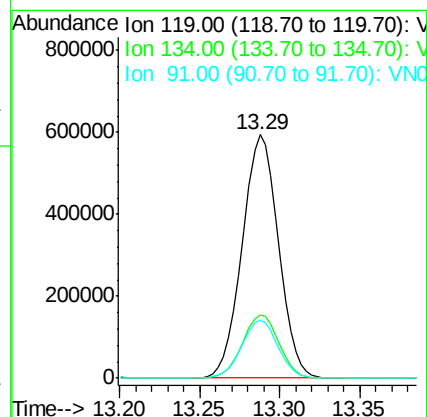
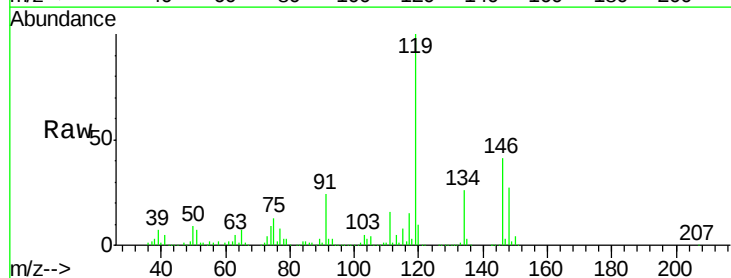
Tgt Ion:119 Resp: 913083

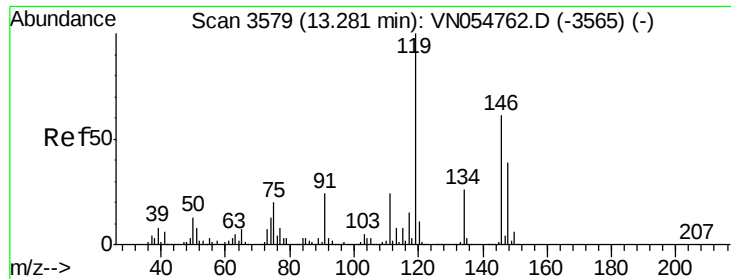
Ion Ratio Lower Upper

119 100

134 26.4 13.6 40.8

91 23.7 11.1 33.3





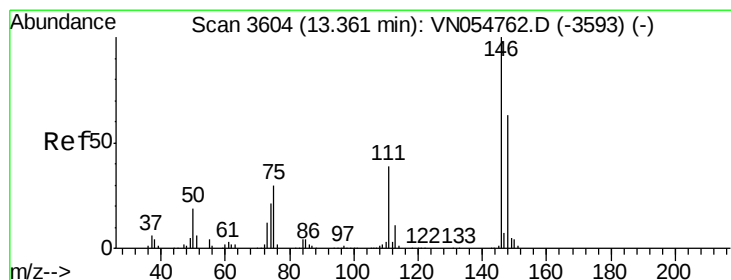
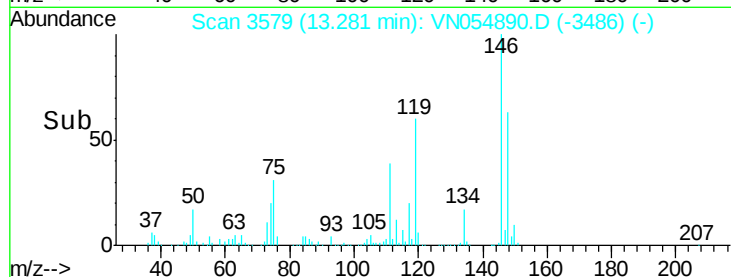
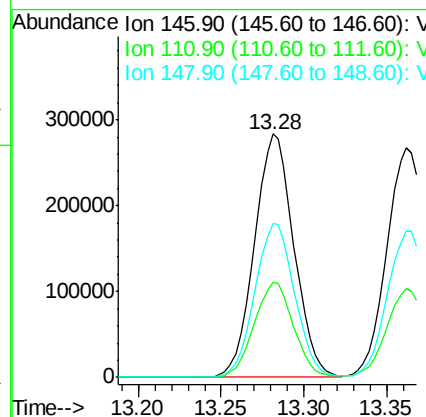
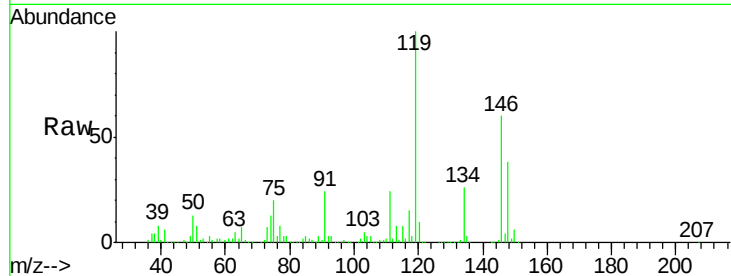
#87
 1,3-Dichlorobenzene
 Concen: 48.454 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054890.D
 Acq: 2 Apr 2019 9:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	466871		
111	39.0	18.8	56.3	
148	63.9	32.2	96.6	

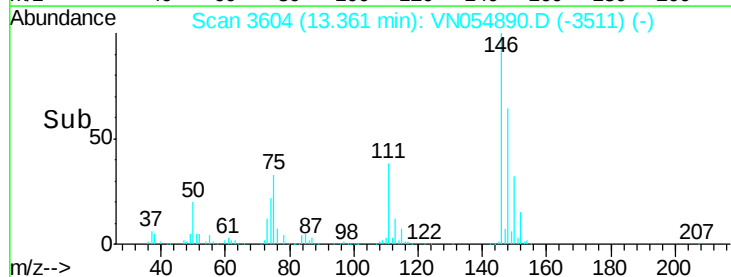
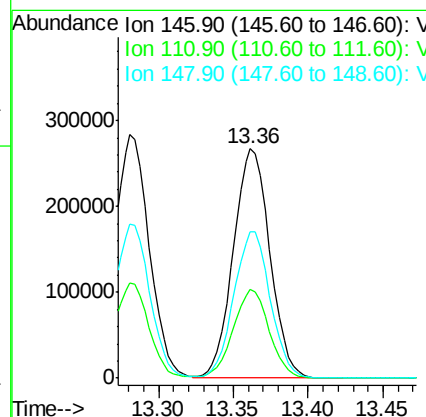
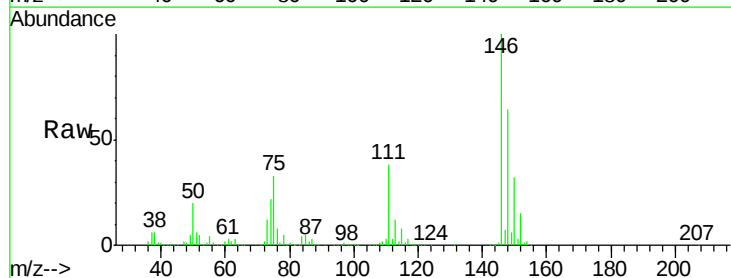
Manual Integrations
 APPROVED

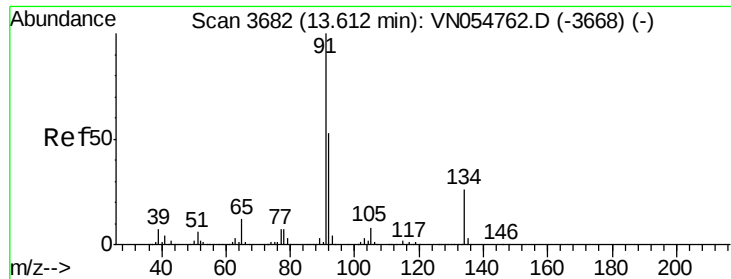
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 4/3/2019 10:43:46 AM



#88
 1,4-Dichlorobenzene
 Concen: 48.005 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054890.D
 Acq: 2 Apr 2019 9:31

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	453661		
111	38.3	18.1	54.1	
148	64.1	32.0	96.0	





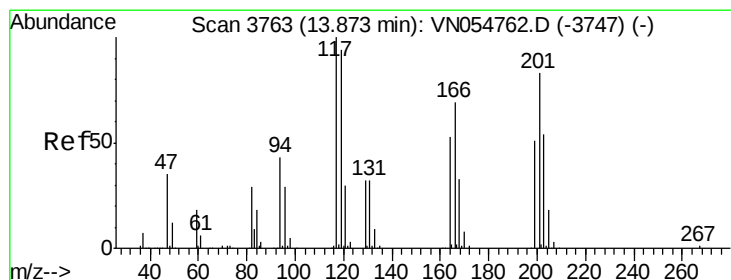
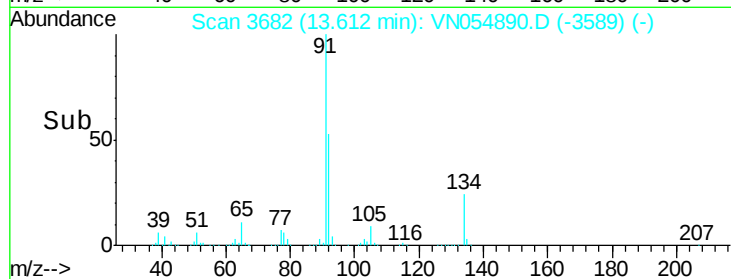
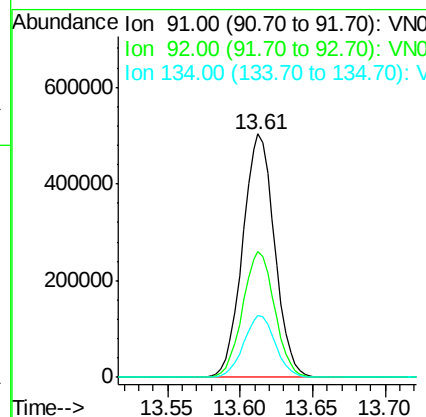
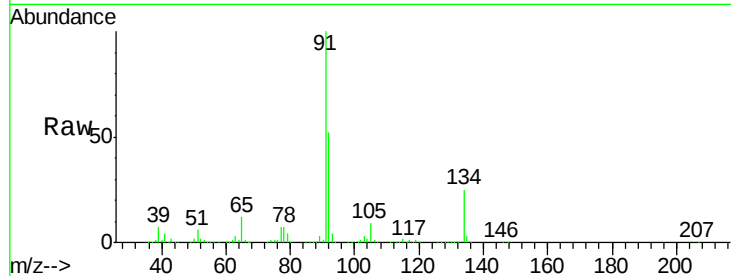
#89
n-Butylbenzene
Concen: 50.238 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.2	78.6
134	25.3	14.3	42.9

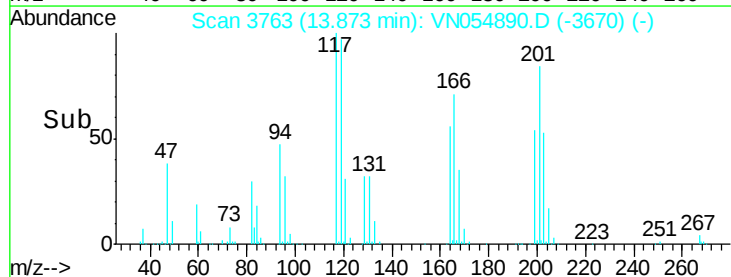
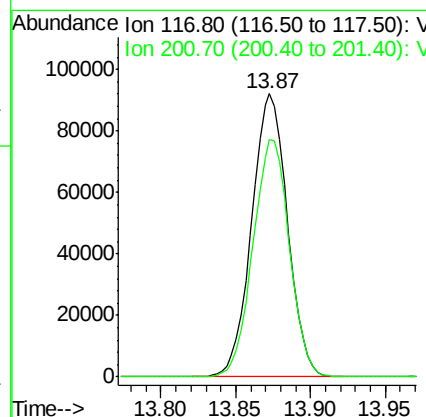
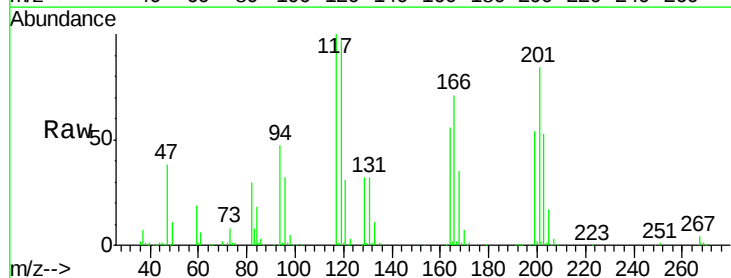
Manual Integrations
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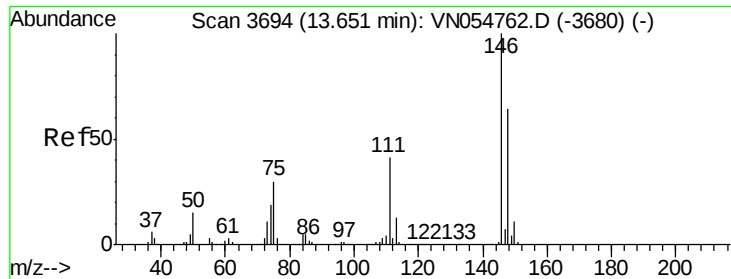
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#90
Hexachloroethane
Concen: 48.191 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN054890.D
Acq: 2 Apr 2019 9:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.2	48.1	144.4





#91

1,2-Dichlorobenzene

Concen: 47.223 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Instrument :

MSVOA_N

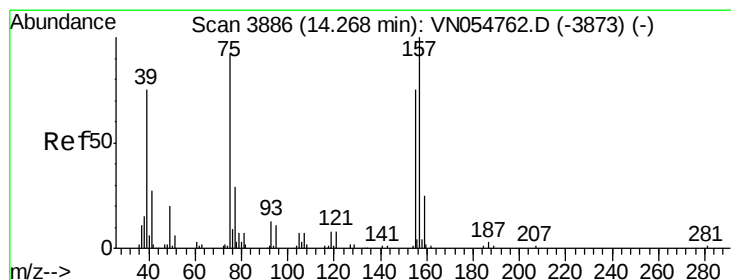
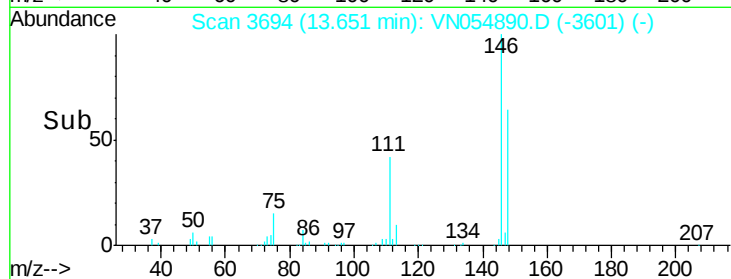
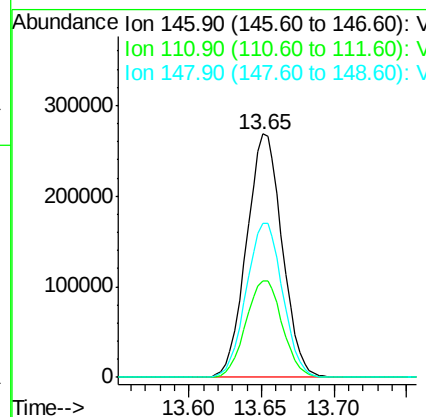
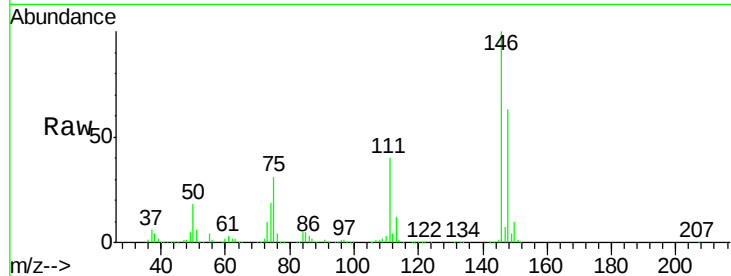
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	459209
Ion Ratio	Lower	Upper	
146	100		
111	40.6	19.1	57.3
148	64.5	32.4	97.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 47.622 ug/l

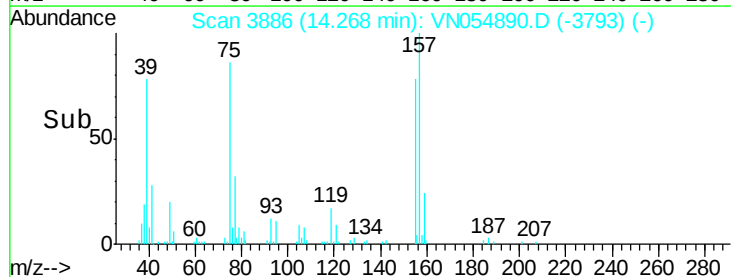
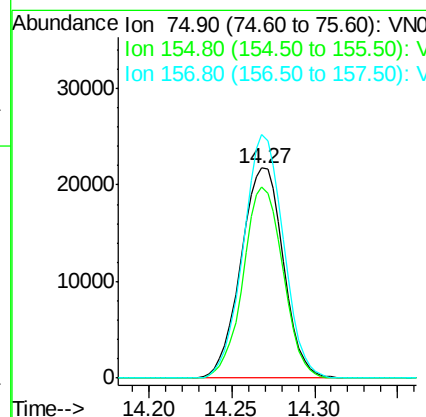
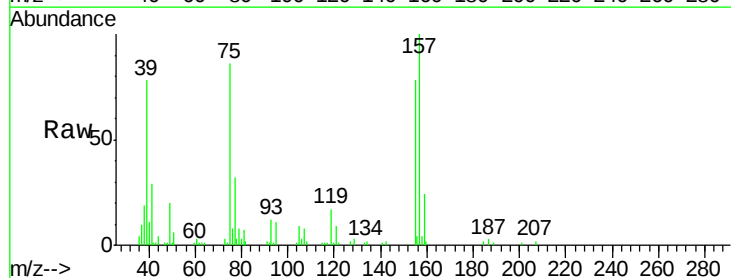
RT: 14.27 min Scan# 3886

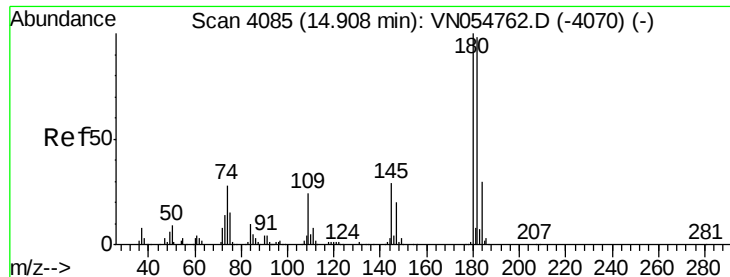
Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Tgt Ion:	75	Resp:	38821
Ion Ratio	Lower	Upper	
75	100		
155	85.4	50.1	150.3
157	109.8	63.1	189.3





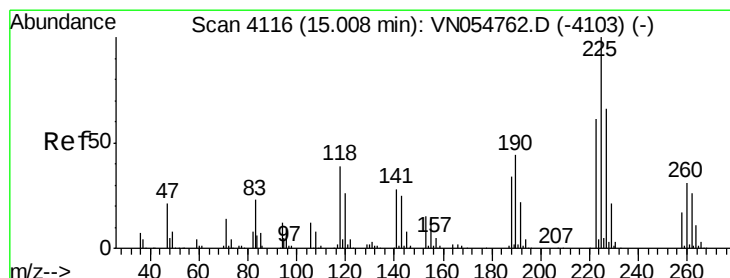
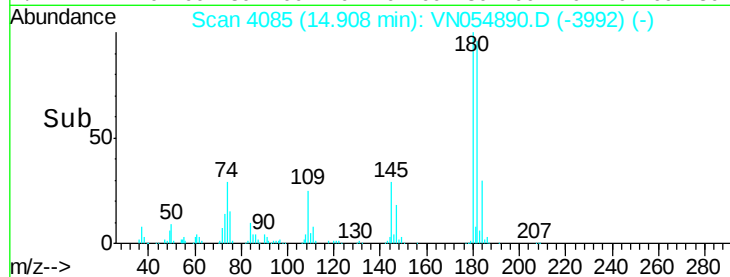
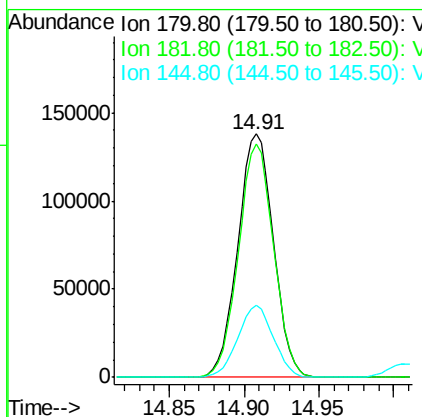
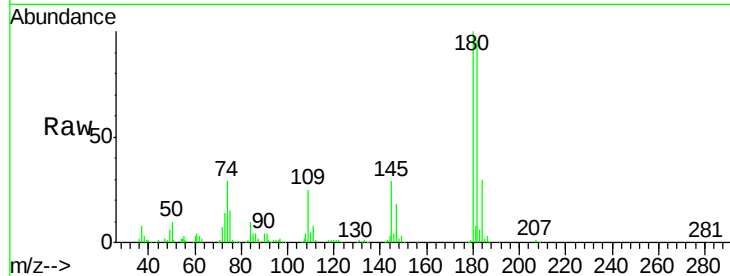
#93
 1,2,4-Trichlorobenzene
 Concen: 48.828 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054890.D
 Acq: 2 Apr 2019 9:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	228912		
182	94.6	48.0	144.2	
145	29.5	14.2	42.8	

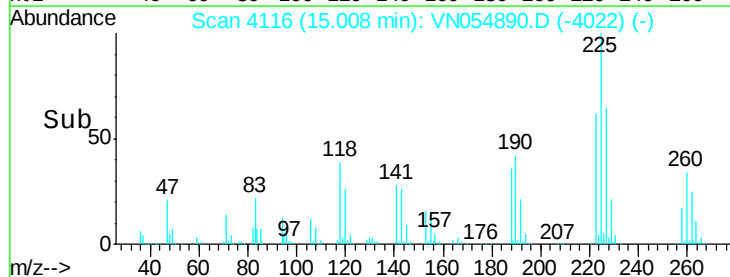
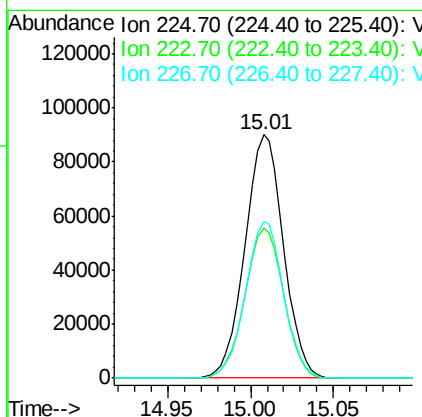
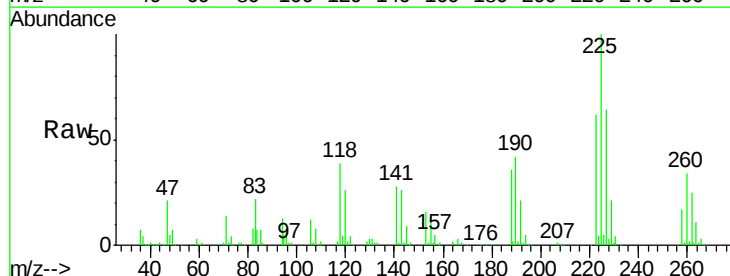
Manual Integrations
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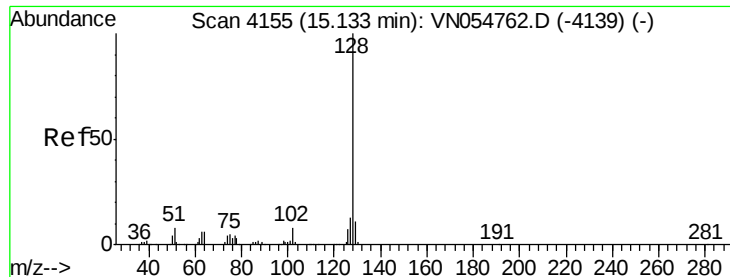
MMDadoda
 4/3/2019 10:43:46 AM



#94
 Hexachlorobutadiene
 Concen: 52.403 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054890.D
 Acq: 2 Apr 2019 9:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	145213		
223	62.1	31.1	93.5	
227	63.7	31.9	95.9	





#95

Naphthalene

Concen: 46.402 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Instrument :

MSVOA_N

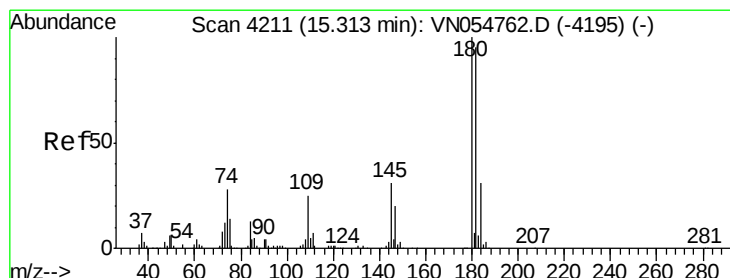
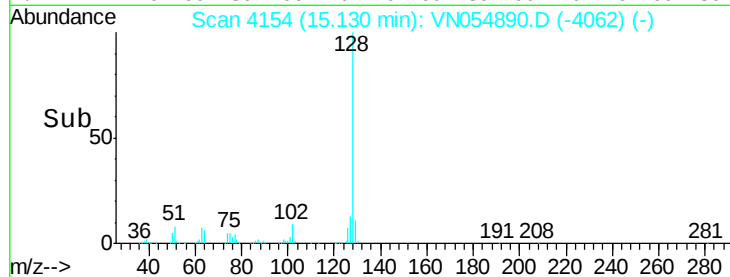
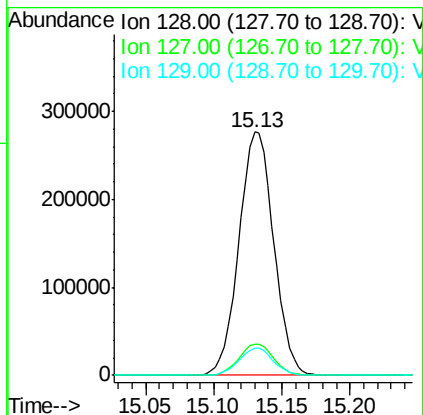
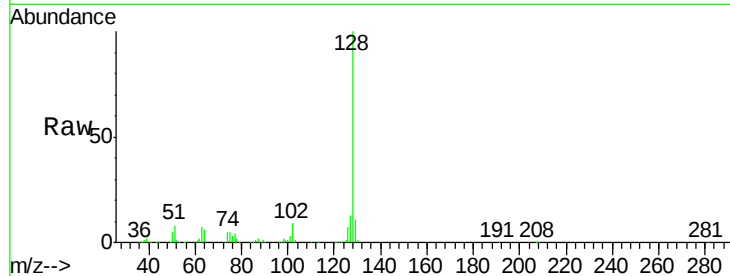
ClientSampled :

VSTDCCC050

Tot Ion:	128	Resp:	487900
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.1	15.1
129	11.1	8.7	13.1

Manual Integrations
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4/3/2019 10:43:46 AM



#96

1,2,3-Trichlorobenzene

Concen: 48.009 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054890.D

Acq: 2 Apr 2019 9:31

Tgt Ion:	180	Resp:	227306
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.5	142.6
145	31.1	14.8	44.3

