

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082118\
 Data File : VN050784.D
 Acq On : 21 Aug 2018 11:58
 Operator : MD\SY
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 8/22/2018 11:19:01 AM

Quant Time: Aug 22 03:59:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 03:28:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	700112	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	995249	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	954101	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	521704	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1216577	144.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	288.68%	
35) Dibromofluoromethane	7.59	113	1164509	147.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	294.14%	
50) Toluene-d8	10.09	98	4529745	153.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	306.04%	
62) 4-Bromofluorobenzene	12.40	95	1623183	165.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	330.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	1507085	160.85	ug/l	100
3) Chloromethane	2.06	50	1681766	145.53	ug/l	100
4) Vinyl Chloride	2.18	62	1632358	149.11	ug/l	99
5) Bromomethane	2.54	94	909235	129.04	ug/l	99
6) Chloroethane	2.69	64	921087	145.62	ug/l	100
7) Trichlorofluoromethane	3.01	101	2053561	146.50	ug/l	100
8) Diethyl Ether	3.41	74	742569	155.79	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	1271858	145.23	ug/l	99
10) Methyl Iodide	3.95	142	1299088	186.87	ug/l	100
11) Tert butyl alcohol	4.79	59	444017	827.30	ug/l	100
12) 1,1-Dichloroethene	3.73	96	1199706	152.57	ug/l	99
13) Acrolein	3.61	56	248571	847.90	ug/l	98
14) Allyl chloride	4.32	41	1962928	160.20	ug/l	98
15) Acrylonitrile	4.99	53	2186950	801.79	ug/l	99
16) Acetone	3.82	43	1466599	631.09	ug/l	100
17) Carbon Disulfide	4.05	76	3856178	146.29	ug/l	100
18) Methyl Acetate	4.33	43	1138872	142.11	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	3214279	162.51	ug/l	99
20) Methylene Chloride	4.55	84	1330110	140.02	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	1267671	149.60	ug/l	98
22) Diisopropyl ether	5.95	45	3843641	157.41	ug/l	97
23) Vinyl Acetate	5.90	43	12961107	824.21	ug/l	100
24) 1,1-Dichloroethane	5.85	63	2293983	146.33	ug/l	100
25) 2-Butanone	6.84	43	2394140	704.87	ug/l	99
26) 2,2-Dichloropropane	6.83	77	1851001	146.94	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	1418419	154.70	ug/l	100
28) Bromochloromethane	7.20	49	973961	146.21	ug/l	99
29) Tetrahydrofuran	7.21	42	1578590	810.61	ug/l	99
30) Chloroform	7.37	83	2250825	144.99	ug/l	100
31) Cyclohexane	7.65	56	2158222	138.59	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	1977790	148.33	ug/l	99
36) 1,1-Dichloropropene	7.79	75	1825143	155.41	ug/l	100
37) Ethyl Acetate	6.93	43	1058402	163.77	ug/l	99
38) Carbon Tetrachloride	7.77	117	1796646	151.34	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	2112967	166.30	ug/l	98
40) Benzene	8.04	78	5380974	151.94	ug/l	100
41) Methacrylonitrile	7.17	41	570589	167.02	ug/l	98
42) 1,2-Dichloroethane	8.12	62	1574302	148.68	ug/l	100
43) Isopropyl Acetate	8.17	43	1914198	165.02	ug/l	100
44) Trichloroethene	8.84	130	1434087	153.54	ug/l	99
45) 1,2-Dichloropropane	9.12	63	1406447	151.10	ug/l	99
46) Dibromomethane	9.21	93	821386	150.19	ug/l	99
47) Bromodichloromethane	9.40	83	1772831	154.77	ug/l	98
48) Methyl methacrylate	9.20	41	994039	168.15	ug/l	99
49) 1,4-Dioxane	9.20	88	276222	3427.59	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	5311308	767.31	ug/l	99
52) Toluene	10.16	92	3364127	160.35	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	1913434	167.82	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	2149224	164.61	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	1171236	150.42	ug/l	99
56) Ethyl methacrylate	10.43	69	1585143	179.49	ug/l	99
57) 1,3-Dichloropropane	10.71	76	2007526	156.20	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	3461787	918.04	ug/l	100
59) 2-Hexanone	10.75	43	3622940	786.20	ug/l	98
60) Dibromochloromethane	10.90	129	1395111	160.02	ug/l	99
61) 1,2-Dibromoethane	11.01	107	1215701	161.46	ug/l	99
64) Tetrachloroethene	10.63	164	1289719	142.32	ug/l	99
65) Chlorobenzene	11.43	112	3766580	151.04	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	1374065	150.59	ug/l	100
67) Ethyl Benzene	11.51	91	6537245	161.24	ug/l	99
68) m/p-Xylenes	11.62	106	5044333	327.79	ug/l	99
69) o-Xylene	11.95	106	2445851	165.32	ug/l	99
70) Styrene	11.96	104	3978019	171.99	ug/l	99
71) Bromoform	12.13	173	1021175	162.74	ug/l #	100
73) Isopropylbenzene	12.25	105	6442458	149.14	ug/l	100
74) N-amyl acetate	12.07	43	1733290	159.69	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	1507594	129.52	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	1229455m	138.99	ug/l	
77) Bromobenzene	12.53	156	1687605	143.74	ug/l	99
78) n-propylbenzene	12.59	91	7462704	154.64	ug/l	99
79) 2-Chlorotoluene	12.68	91	4374986	145.55	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	5361429	153.81	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	446447	165.17	ug/l	97
82) 4-Chlorotoluene	12.77	91	4533273	152.76	ug/l	100
83) tert-Butylbenzene	12.99	119	4701609	155.75	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	5484955	156.44	ug/l	99
85) sec-Butylbenzene	13.17	105	6174842	156.10	ug/l	100
86) p-Isopropyltoluene	13.29	119	5477278	162.50	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	2988215	149.99	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	2915910	148.71	ug/l	100
89) n-Butylbenzene	13.62	91	4654487	172.66	ug/l	99
90) Hexachloroethane	13.88	117	977114	140.07	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	2782636	144.77	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	230788	148.76	ug/l	97

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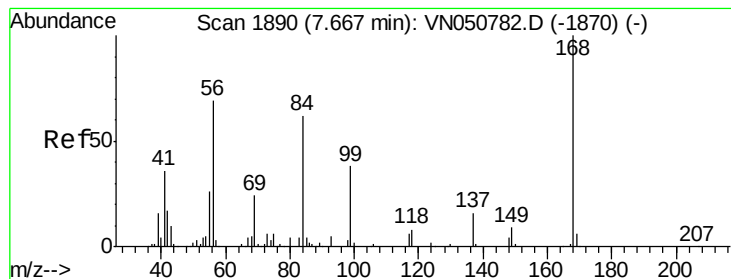
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1620900	193.73	ug/l	99
94) Hexachlorobutadiene	15.01	225	838131	133.73	ug/l	99
95) Naphthalene	15.13	128	3478702	210.74	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	1496983	183.74	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050784.D

Acq: 21 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:168 Resp: 700112

Ion Ratio Lower Upper

168 100

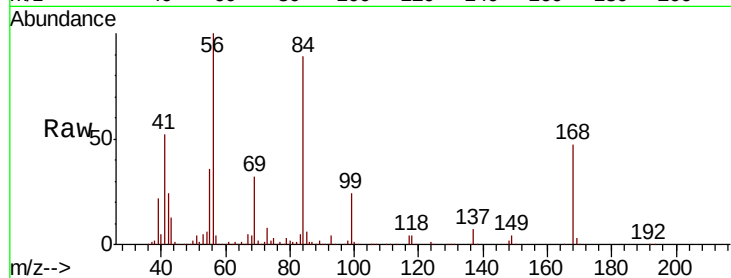
99 50.8 39.6 59.4

Manual Integrations

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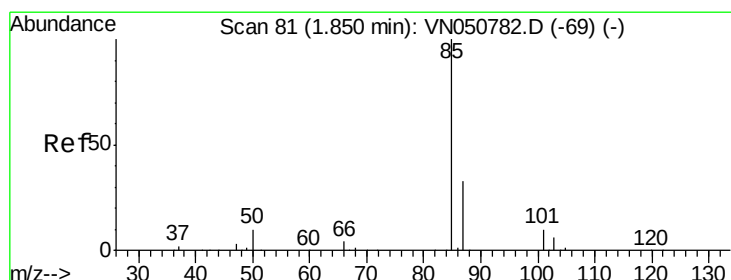
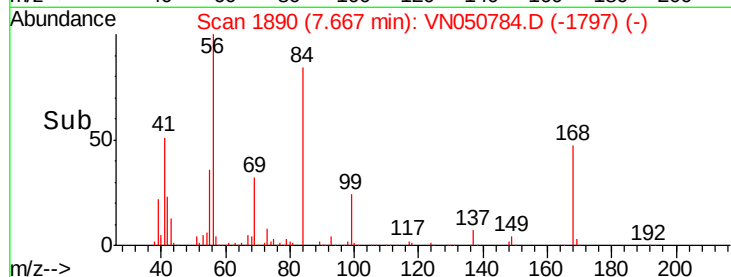
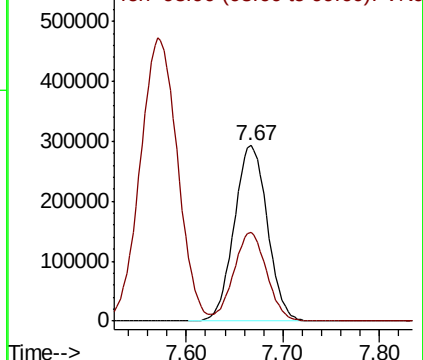
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 160.85 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050784.D

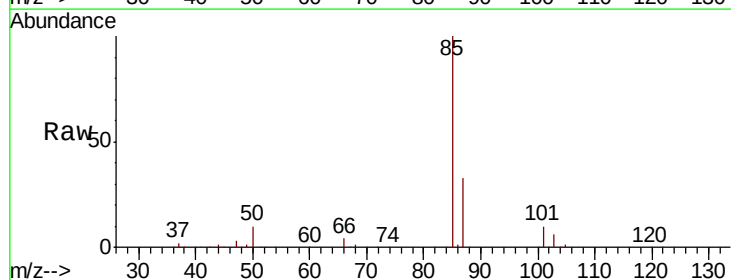
Acq: 21 Aug 2018 11:58

Tgt Ion: 85 Resp: 1507085

Ion Ratio Lower Upper

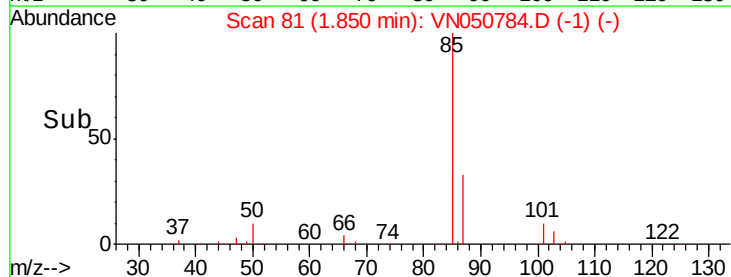
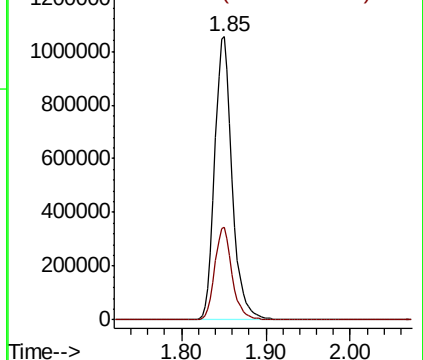
85 100

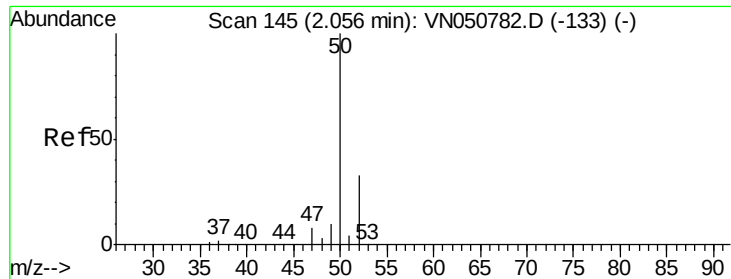
87 32.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 145.53 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050784.D

Acq: 21 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 50 Resp: 1681766

Ion Ratio Lower Upper

50 100

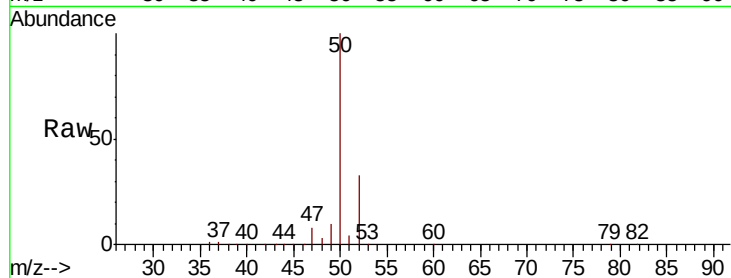
52 32.8 26.3 39.5

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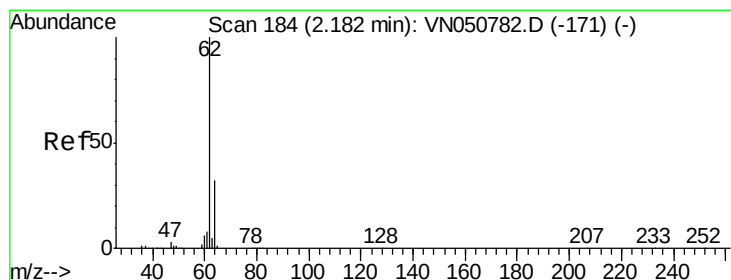
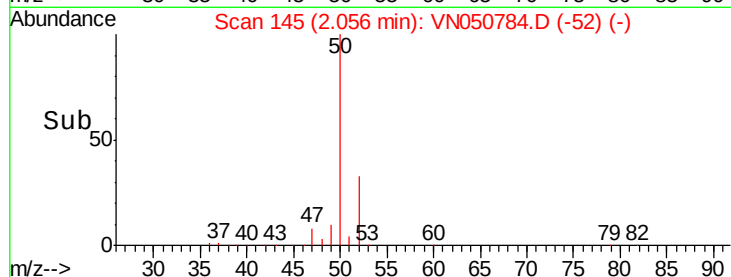
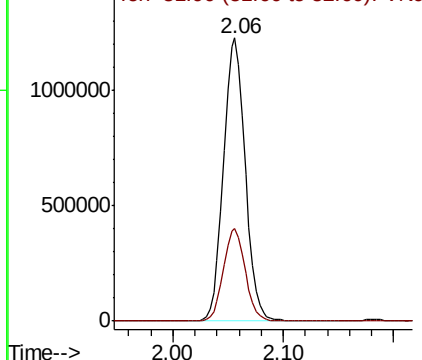
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 149.11 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050784.D

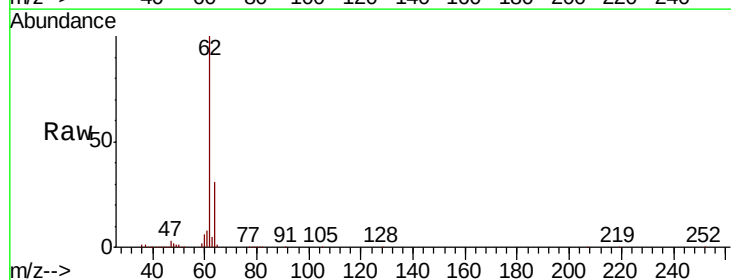
Acq: 21 Aug 2018 11:58

Tgt Ion: 62 Resp: 1632358

Ion Ratio Lower Upper

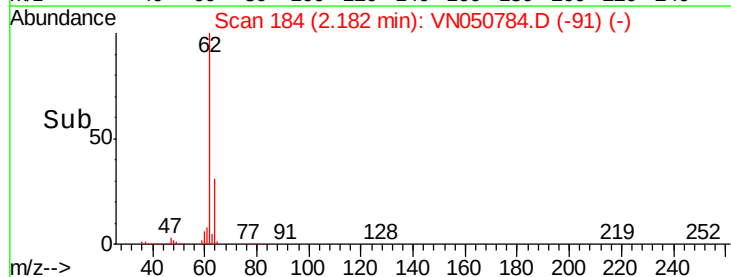
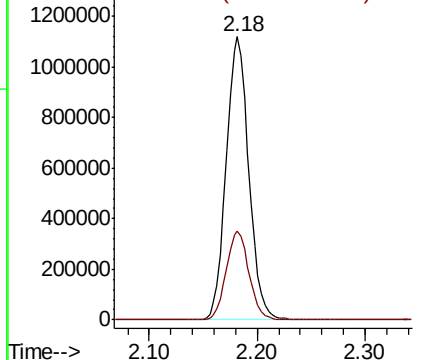
62 100

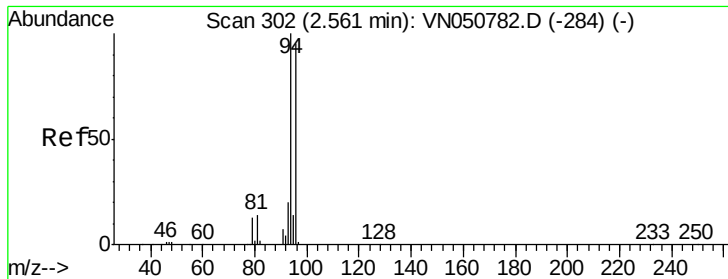
64 31.5 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 129.04 ug/l

RT: 2.54 min Scan# 295

Delta R.T. -0.02 min

Lab File: VN050784.D

Acq: 21 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 94 Resp: 909235

Ion Ratio Lower Upper

94 100

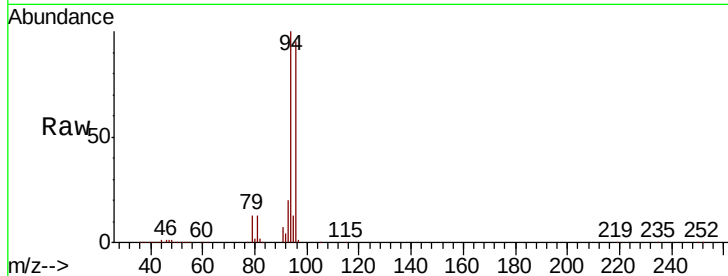
96 94.6 76.2 114.2

Manual Integrations

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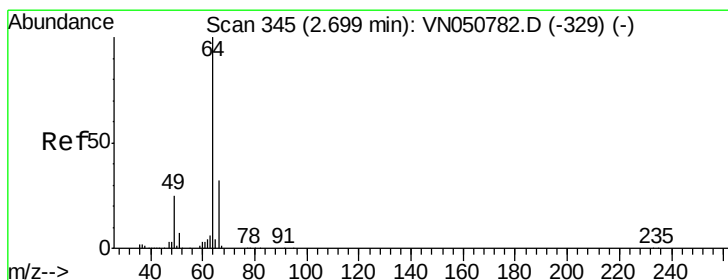
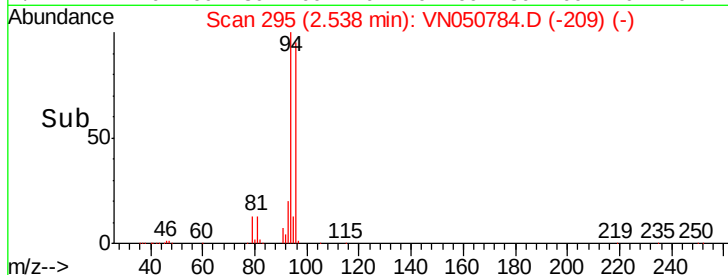
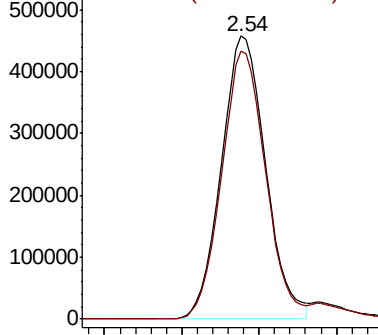
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 145.62 ug/l

RT: 2.69 min Scan# 342

Delta R.T. -0.01 min

Lab File: VN050784.D

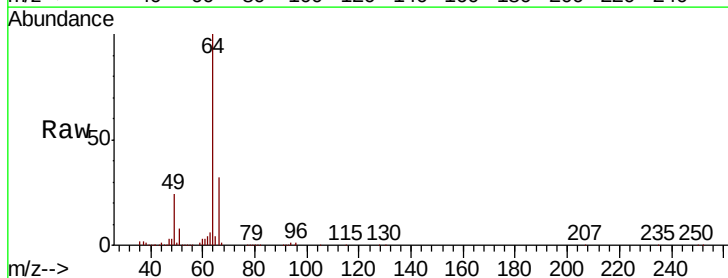
Acq: 21 Aug 2018 11:58

Tgt Ion: 64 Resp: 921087

Ion Ratio Lower Upper

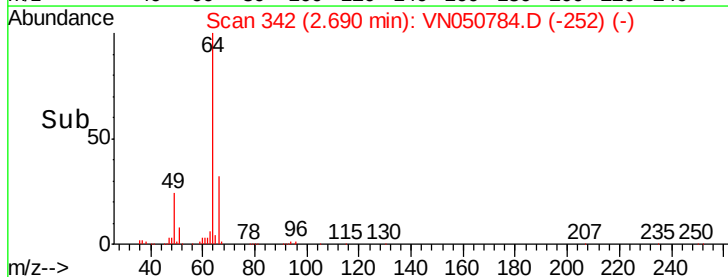
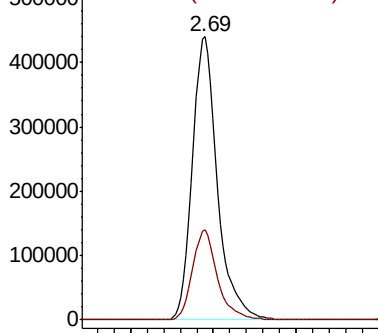
64 100

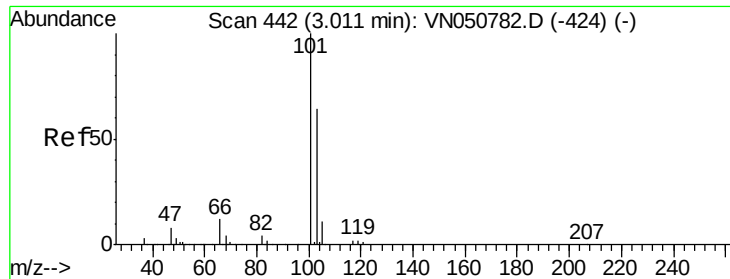
66 31.8 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

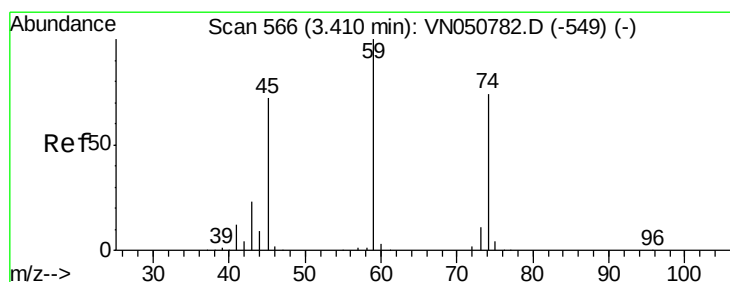
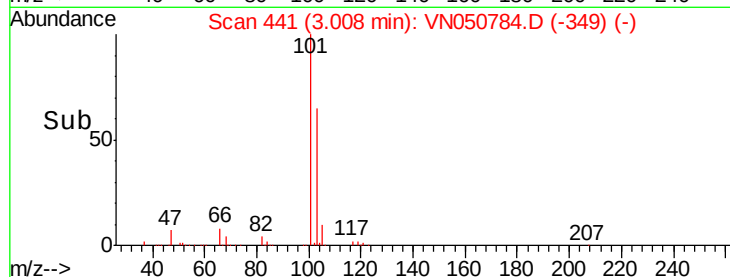
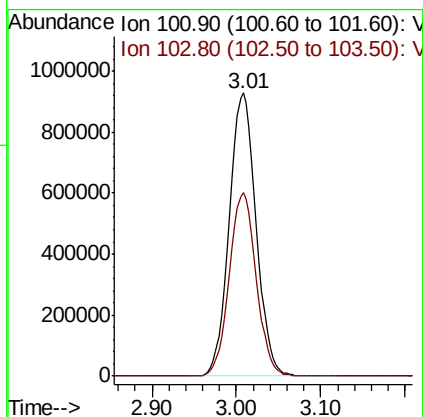
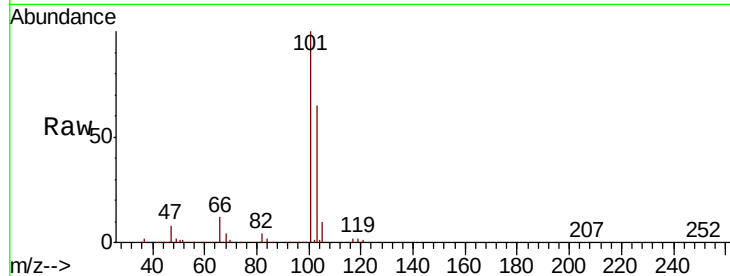
Trichlorofluoromethane
Concen: 146.50 ug/l
RT: 3.01 min Scan# 441
Delta R.T. -0.00 min
Lab File: VN050784.D
Acq: 21 Aug 2018 11:58

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion:101 Resp: 2053561
Ion Ratio Lower Upper
101 100
103 64.7 51.6 77.4

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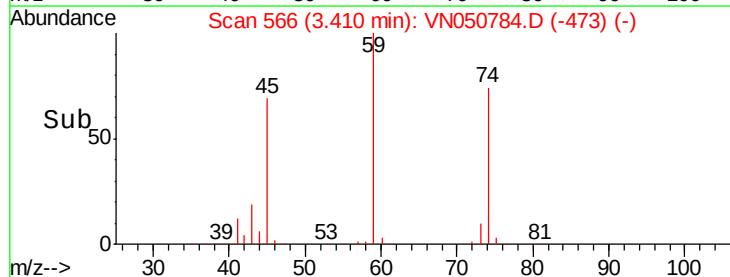
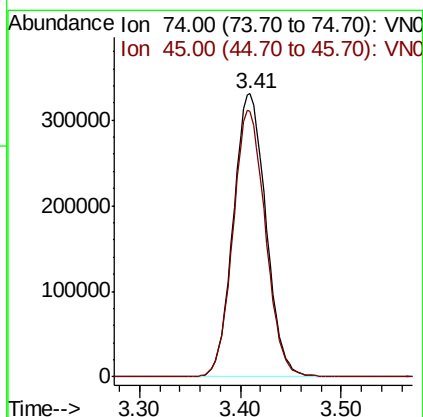
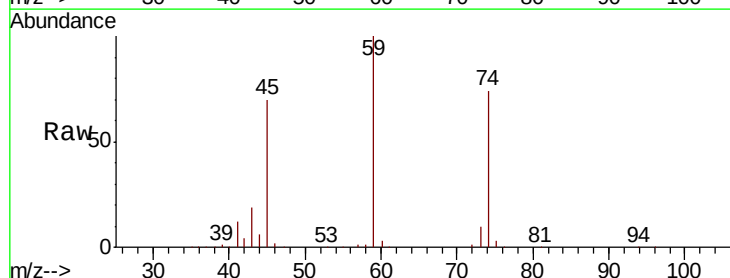
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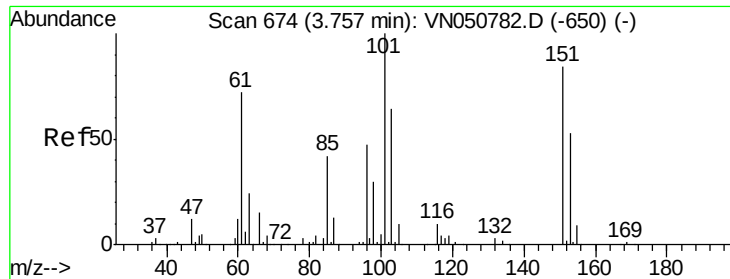


#8

Diethyl Ether
Concen: 155.79 ug/l
RT: 3.41 min Scan# 566
Delta R.T. -0.00 min
Lab File: VN050784.D
Acq: 21 Aug 2018 11:58

Tgt Ion: 74 Resp: 742569
Ion Ratio Lower Upper
74 100
45 93.6 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 145.23 ug/l

RT: 3.75 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN050784.D

Acq: 21 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:101 Resp: 1271858

Ion Ratio Lower Upper

101 100

85 41.3 33.7 50.5

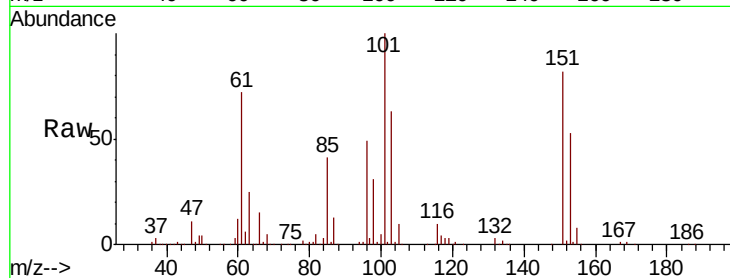
151 83.3 67.4 101.2

Manual Integrations

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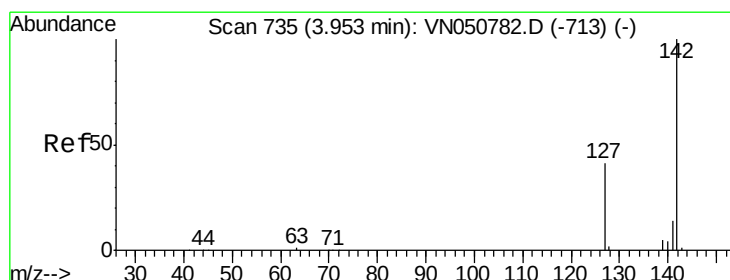
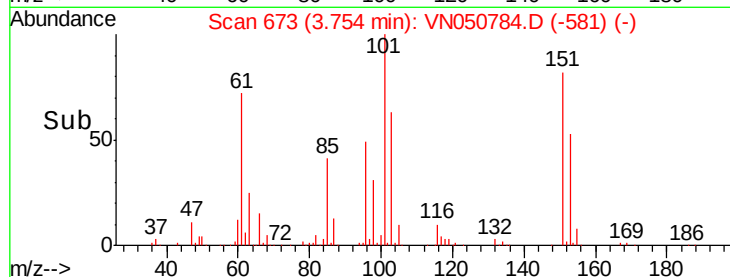
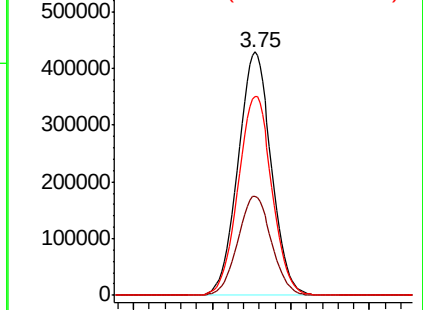
8/22/2018 11:19:01 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 186.87 ug/l

RT: 3.95 min Scan# 734

Delta R.T. -0.00 min

Lab File: VN050784.D

Acq: 21 Aug 2018 11:58

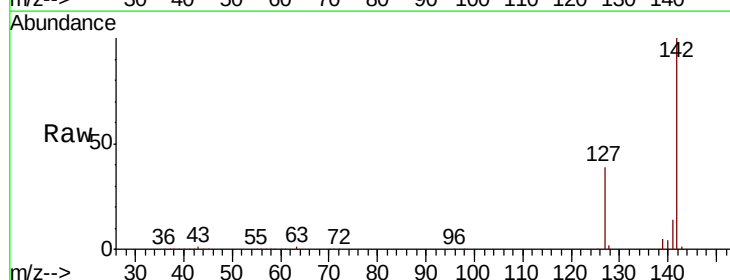
Tgt Ion:142 Resp: 1299088

Ion Ratio Lower Upper

142 100

127 39.7 31.7 47.5

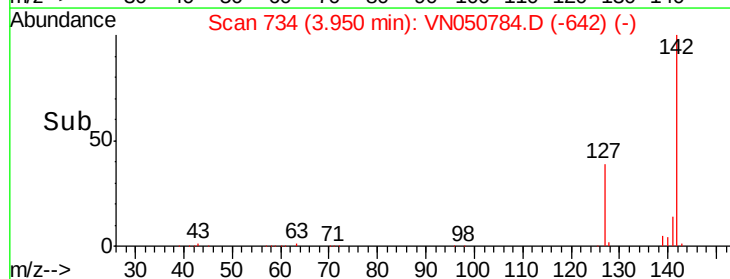
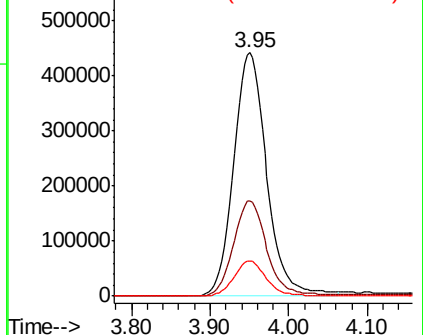
141 14.2 11.4 17.0

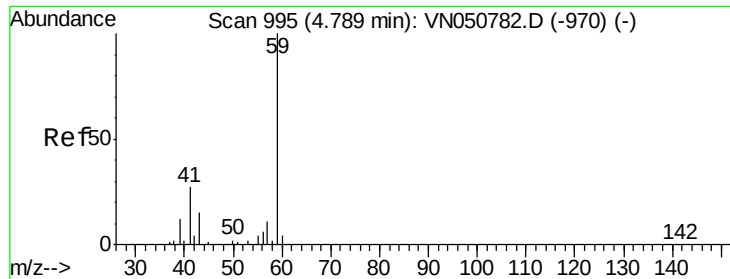


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





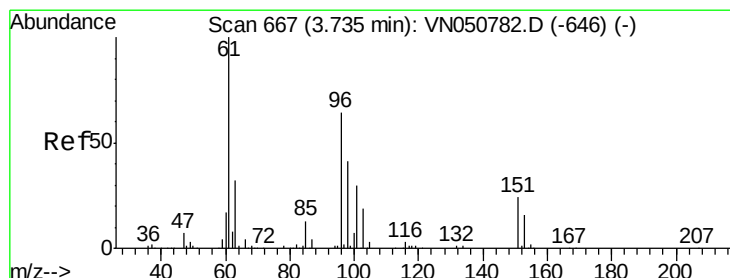
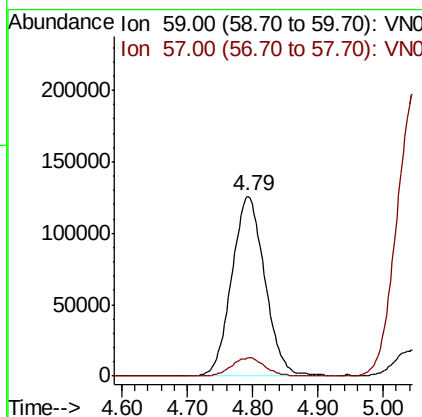
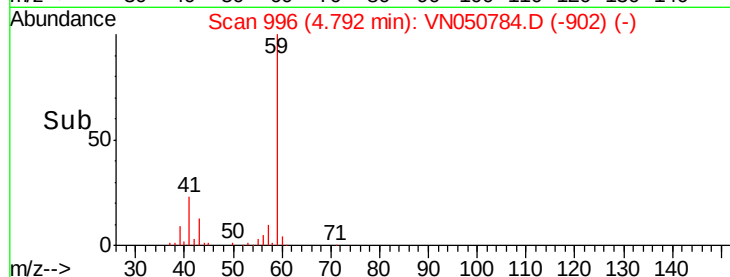
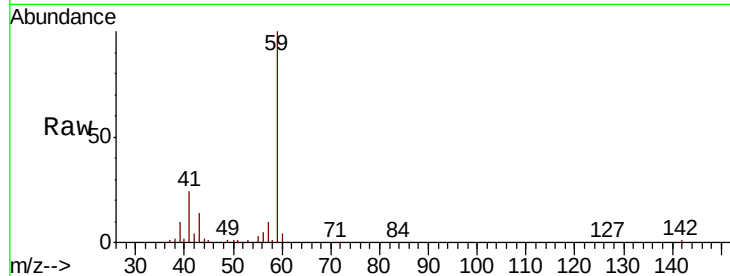
#11
Tert butyl alcohol
Concen: 827.30 ug/l
RT: 4.79 min Scan# 996
Delta R.T. 0.00 min
Lab File: VN050784.D
Acq: 21 Aug 2018 11:58

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 59 Resp: 444017
Ion Ratio Lower Upper
59 100
57 10.3 8.3 12.5

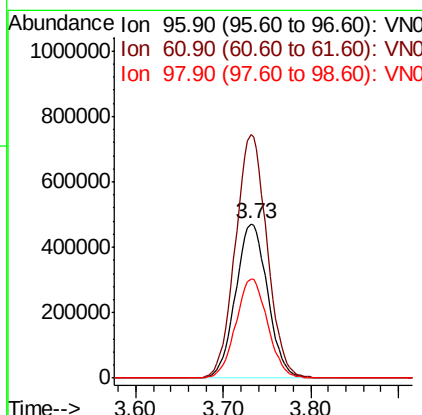
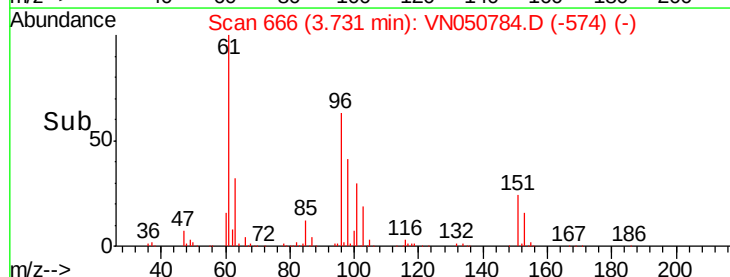
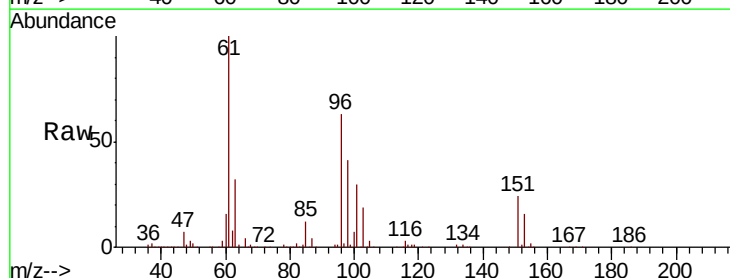
Manual Integrations
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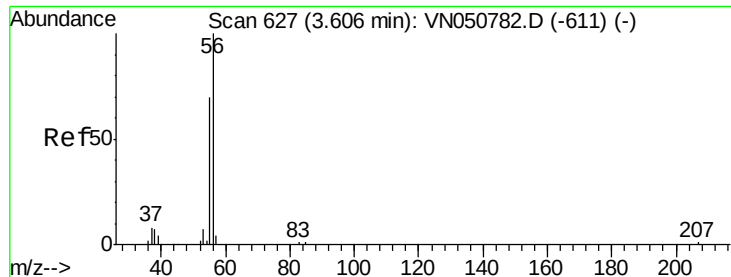
MMDadoda
8/22/2018 11:19:01 AM



#12
1,1-Dichloroethene
Concen: 152.57 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN050784.D
Acq: 21 Aug 2018 11:58

Tgt Ion: 96 Resp: 1199706
Ion Ratio Lower Upper
96 100
61 158.1 124.9 187.3
98 64.5 51.1 76.7





#13

Acrolein

Concen: 847.90 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN050784.D

Acq: 21 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 248571

Ion Ratio Lower Upper

56 100

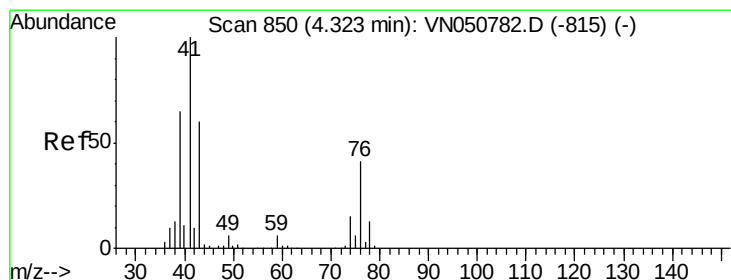
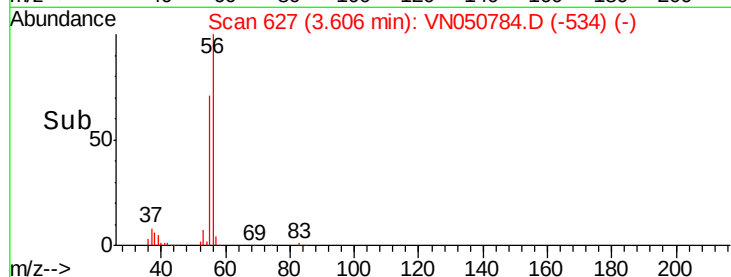
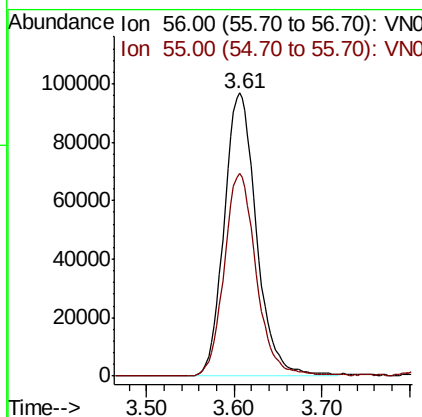
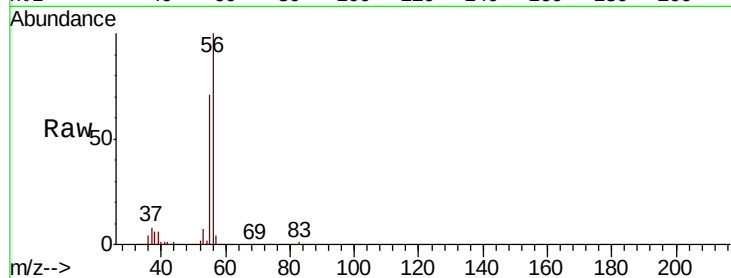
55 70.8 57.7 86.5

Manual Integrations

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MMDadoda

8/22/2018 11:19:01 AM



#14

Allyl chloride

Concen: 160.20 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN050784.D

Acq: 21 Aug 2018 11:58

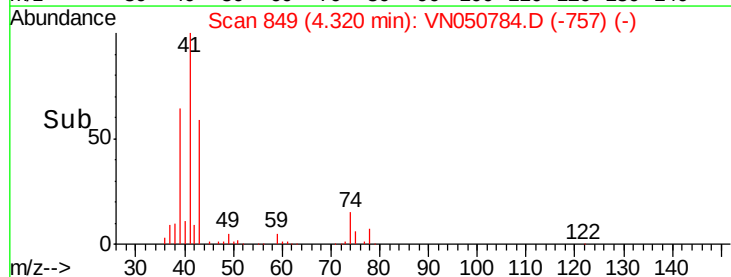
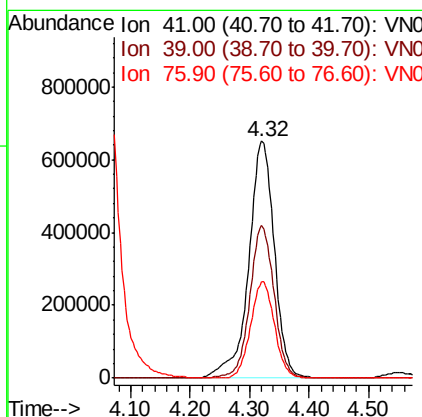
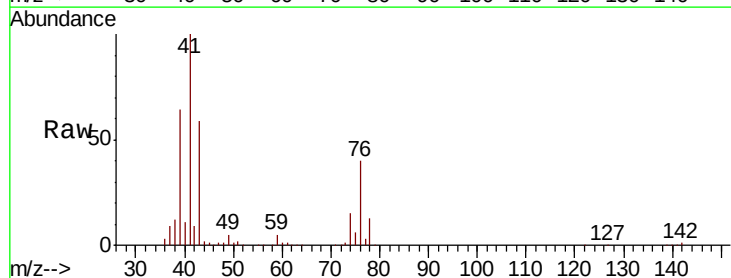
Tgt Ion: 41 Resp: 1962928

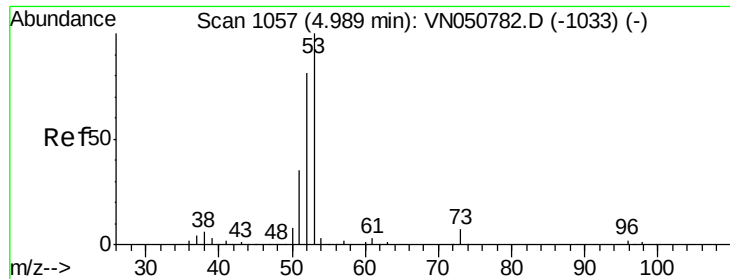
Ion Ratio Lower Upper

41 100

39 60.9 50.2 75.2

76 37.6 29.8 44.8





#15

Acrylonitrile

Concen: 801.79 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. -0.00 min

Lab File: VN050784.D

Acq: 21 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 2186950

Ion Ratio Lower Upper

53 100

52 81.6 65.9 98.9

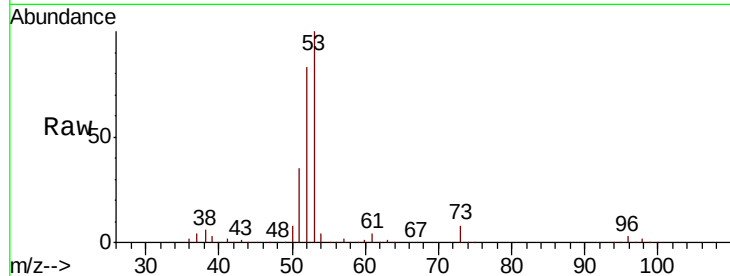
51 35.4 28.6 43.0

Manual Integrations

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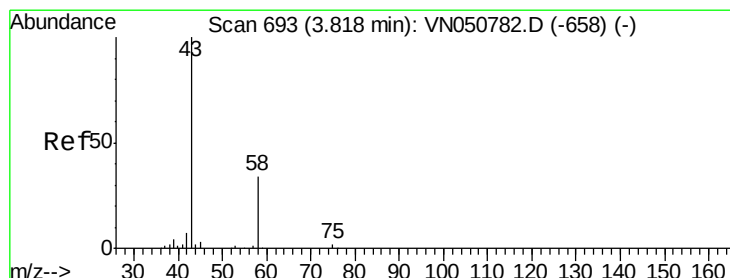
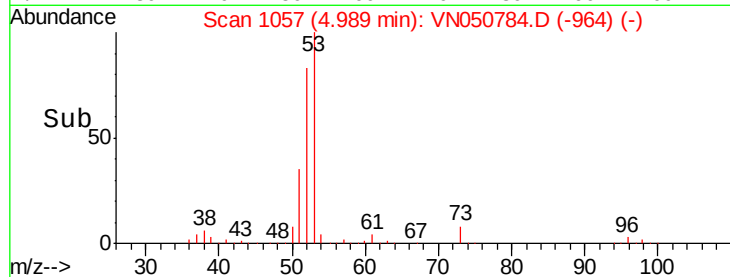
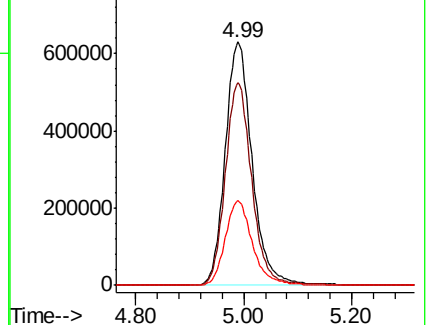
8/22/2018 11:19:01 AM



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 631.09 ug/l

RT: 3.82 min Scan# 693

Delta R.T. -0.00 min

Lab File: VN050784.D

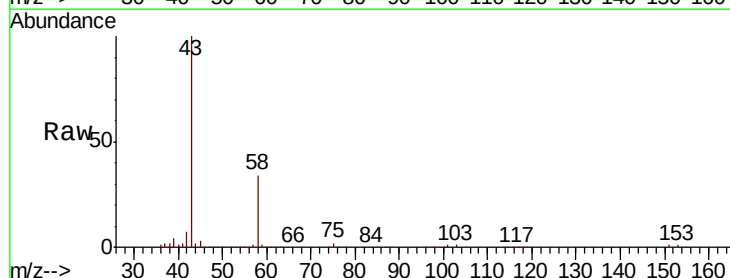
Acq: 21 Aug 2018 11:58

Tgt Ion: 43 Resp: 1466599

Ion Ratio Lower Upper

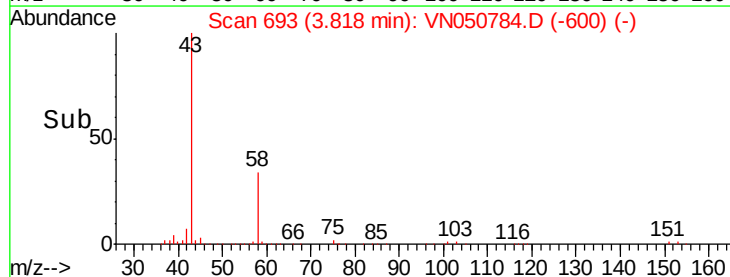
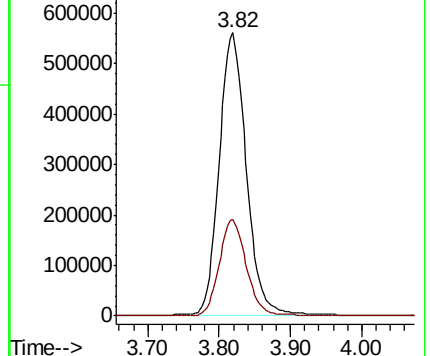
43 100

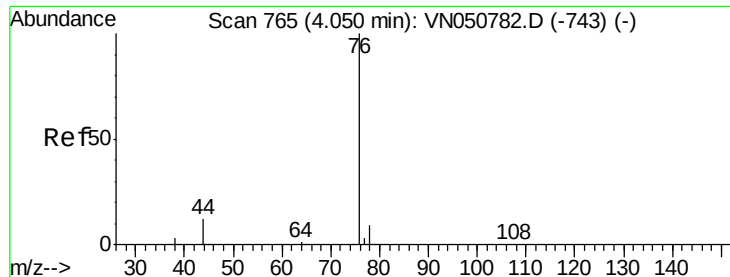
58 33.9 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 146.29 ug/l

RT: 4.05 min Scan# 765

Delta R.T. -0.00 min

Lab File: VN050784.D

Acq: 21 Aug 2018 11:58

Tot Ion: 76 Resp: 3856178

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9

Instrument :

MSVOA_N

ClientSampled :

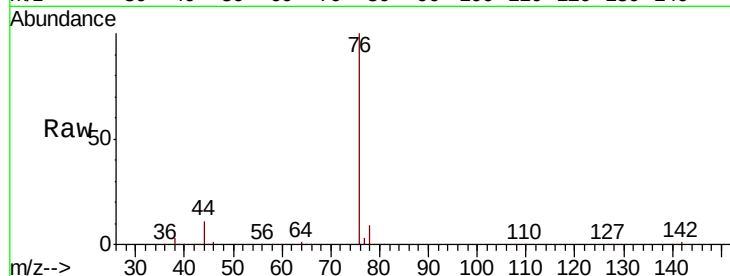
VSTDIC150

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.05

1500000

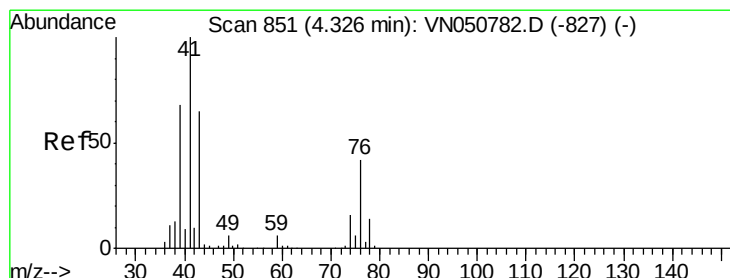
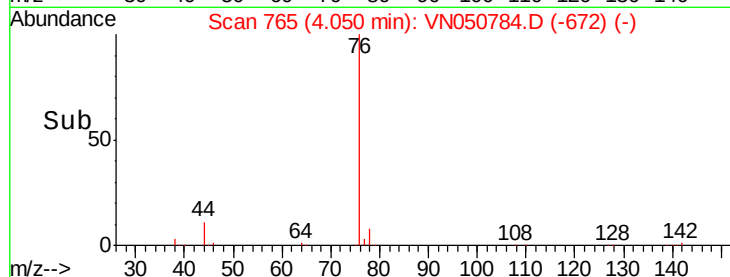
1000000

500000

0

4.00 4.20

Time-->



#18

Methyl Acetate

Concen: 142.11 ug/l

RT: 4.33 min Scan# 851

Delta R.T. -0.00 min

Lab File: VN050784.D

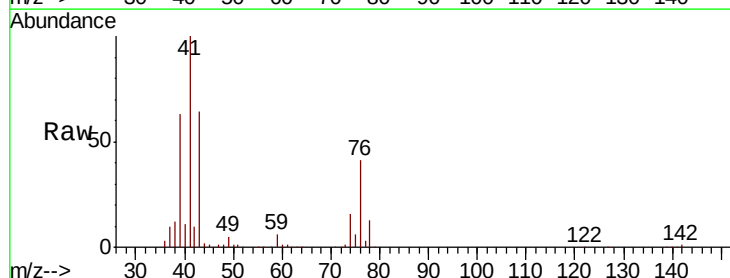
Acq: 21 Aug 2018 11:58

Tgt Ion: 43 Resp: 1138872

Ion Ratio Lower Upper

43 100

74 25.0 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.33

400000

300000

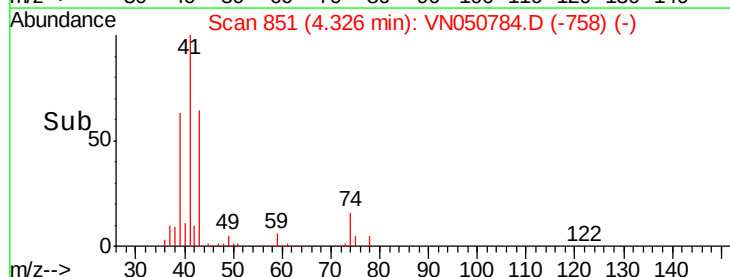
200000

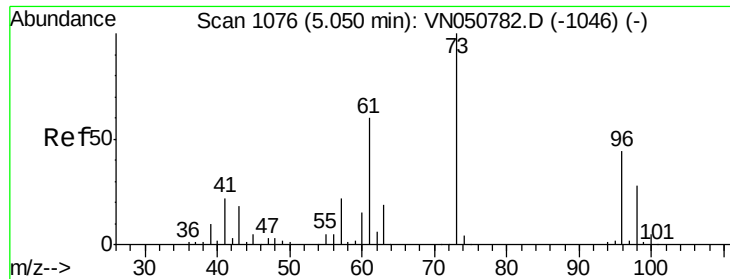
100000

0

4.20 4.30 4.40 4.50

Time-->





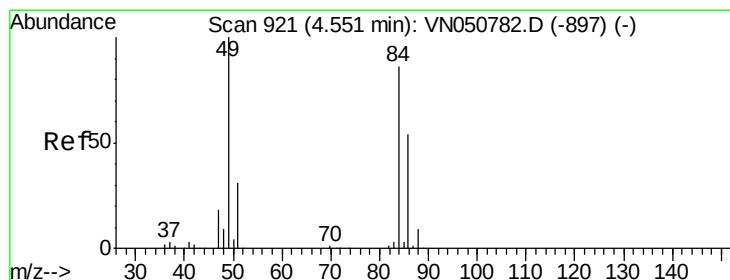
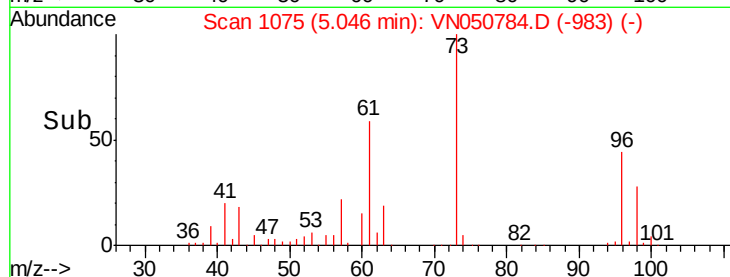
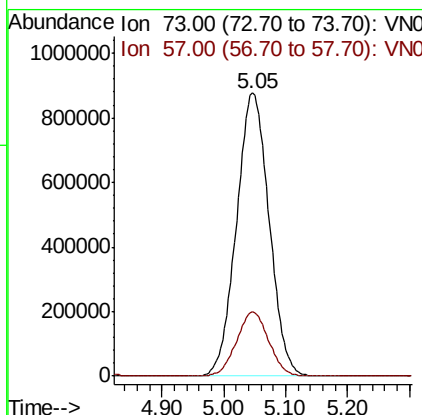
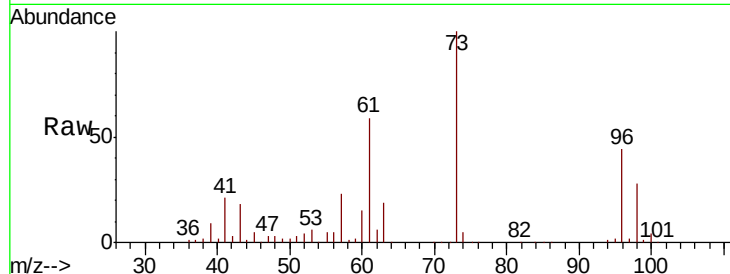
#19
Methvl tert-butyl Ether
Concen: 162.51 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN050784.D
Acq: 21 Aug 2018 11:58

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 73 Resp: 3214279
Ion Ratio Lower Upper
73 100
57 22.6 17.8 26.8

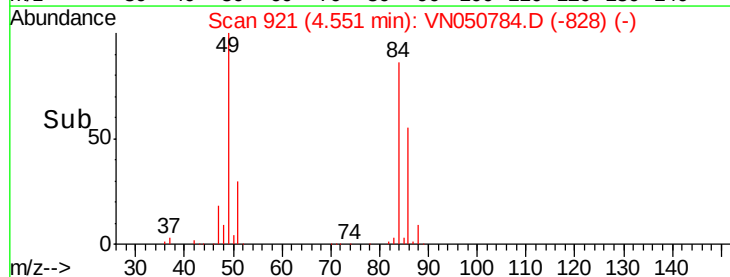
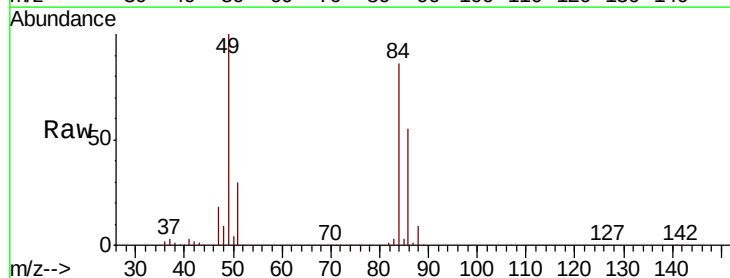
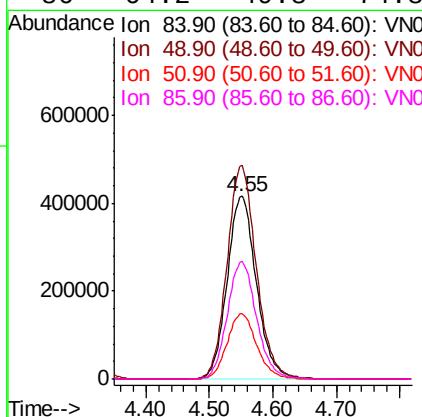
Manual Integrations
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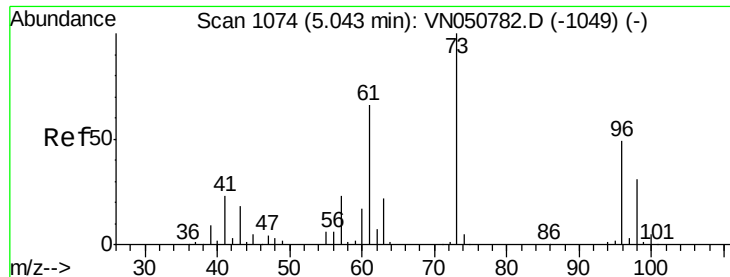
MMDadoda
8/22/2018 11:19:01 AM



#20
Methylene Chloride
Concen: 140.02 ug/l
RT: 4.55 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN050784.D
Acq: 21 Aug 2018 11:58

Tgt Ion: 84 Resp: 1330110
Ion Ratio Lower Upper
84 100
49 116.8 93.2 139.8
51 35.6 29.0 43.6
86 64.2 49.8 74.8





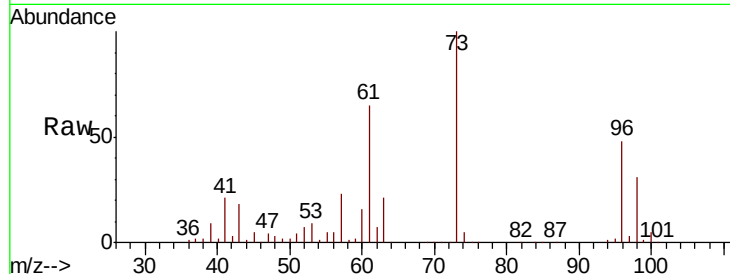
#21
trans-1,2-Dichloroethene
Concen: 149.60 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VN050784.D
Acq: 21 Aug 2018 11:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

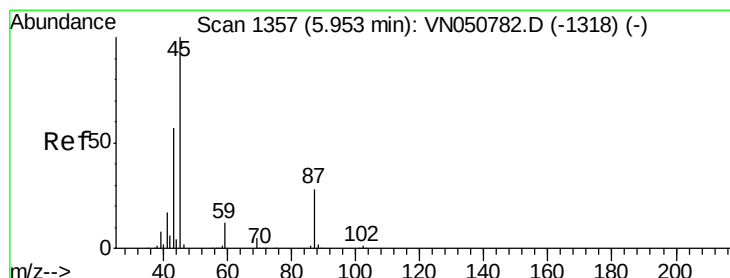
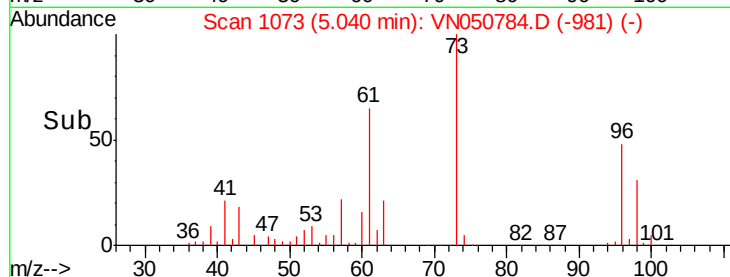
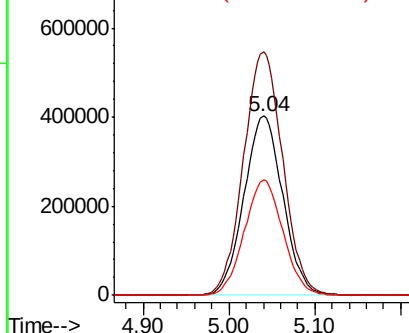
Tot Ion: 96 Resp: 1267671
Ion Ratio Lower Upper
96 100
61 136.0 107.4 161.0
98 64.7 50.7 76.1

Manual Integrations
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MMDadoda
8/22/2018 11:19:01 AM



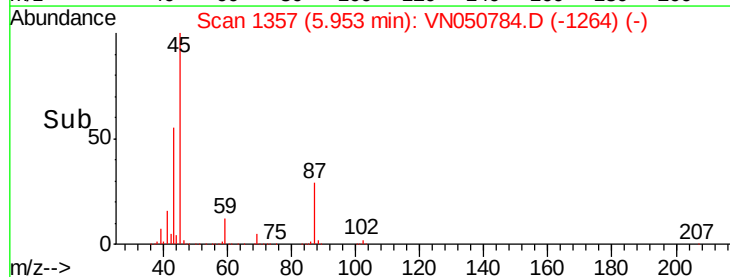
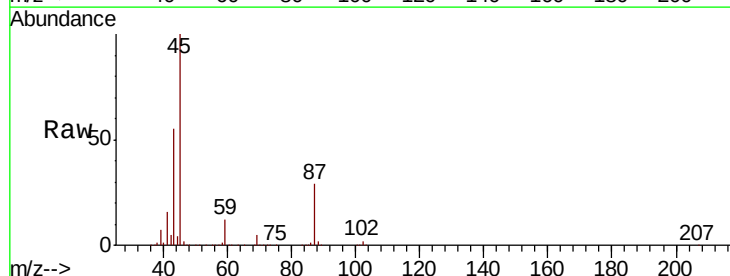
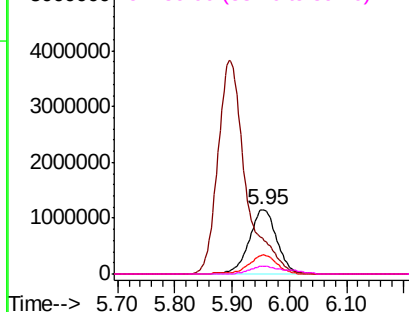
Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

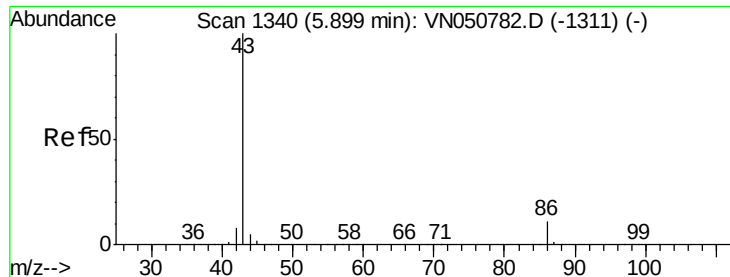


#22
Diisopropyl ether
Concen: 157.41 ug/l
RT: 5.95 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VN050784.D
Acq: 21 Aug 2018 11:58

Tgt Ion: 45 Resp: 3843641
Ion Ratio Lower Upper
45 100
43 54.4 45.9 68.9
87 28.8 22.7 34.1
59 12.2 9.3 13.9

Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 824.21 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VN050784.D

Acq: 21 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp:12961107

Ion Ratio Lower Upper

43 100

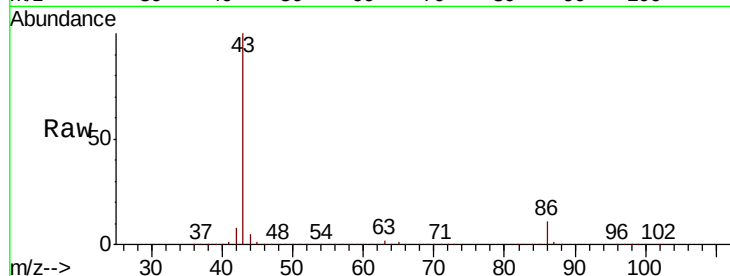
86 11.0 8.7 13.1

Manual Integrations

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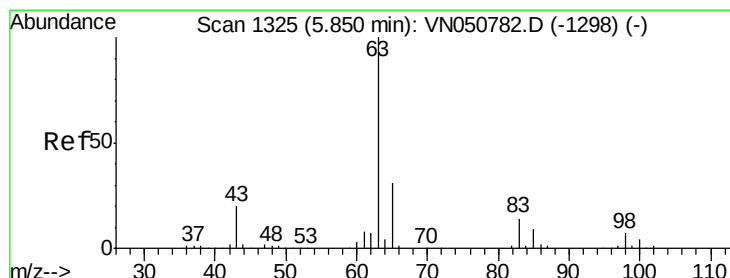
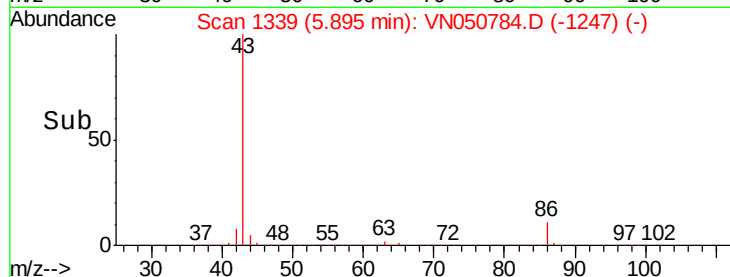
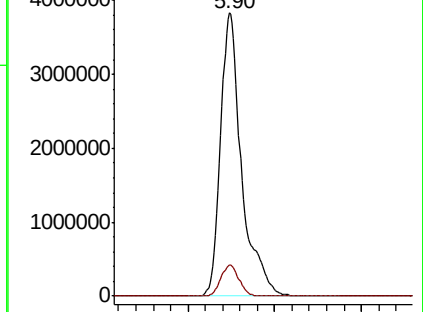
MMDadoda

8/22/2018 11:19:01 AM



Abundance Ion 43.00 (42.70 to 43.70): VN050784.D (-1311) (-)

Ion 86.00 (85.70 to 86.70): VN050784.D (-1311) (-)



#24

1,1-Dichloroethane

Concen: 146.33 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN050784.D

Acq: 21 Aug 2018 11:58

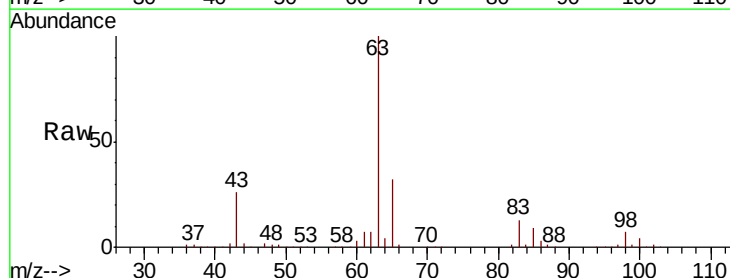
Tgt Ion: 63 Resp: 2293983

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.8

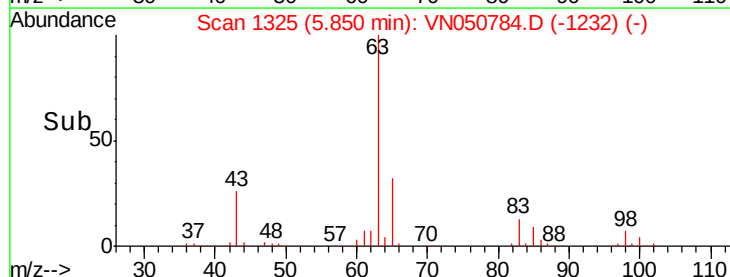
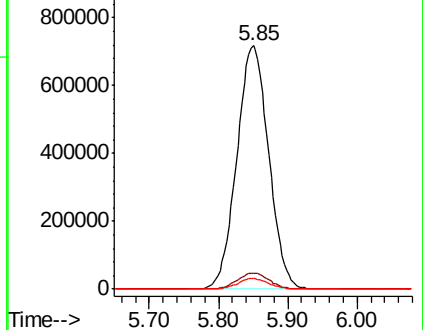
100 4.2 2.1 6.5

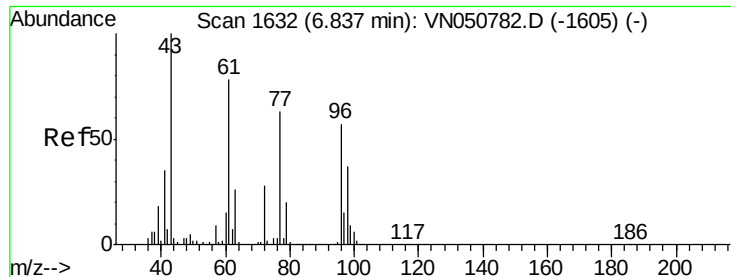


Abundance Ion 62.90 (62.60 to 63.60): VN050784.D (-1298) (-)

Ion 97.90 (97.60 to 98.60): VN050784.D (-1298) (-)

Ion 99.90 (99.60 to 100.60): VN050784.D (-1298) (-)





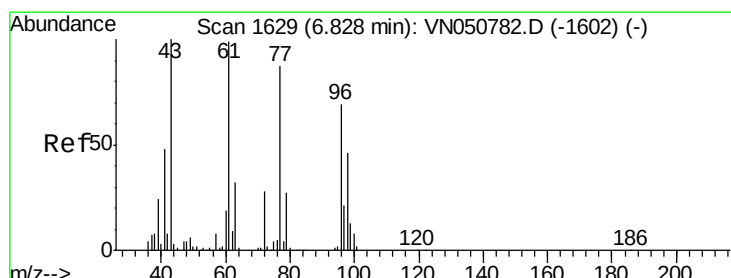
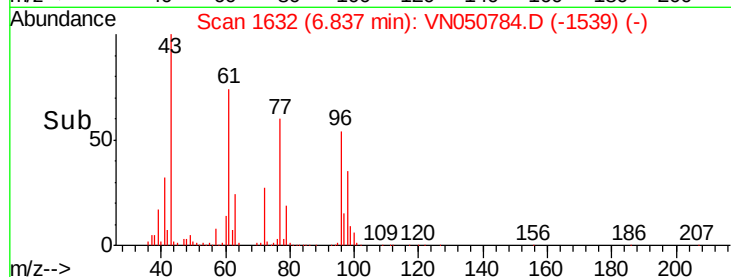
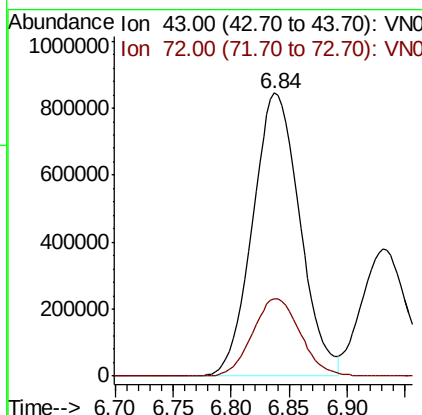
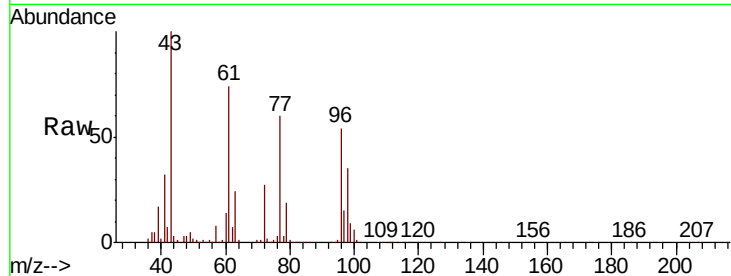
#25
 2-Butanone
 Concen: 704.87 ug/l
 RT: 6.84 min Scan# 1632
 Delta R.T. -0.00 min
 Lab File: VN050784.D
 Acq: 21 Aug 2018 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 43 Resp: 2394140
 Ion Ratio Lower Upper
 43 100
 72 27.4 22.3 33.5

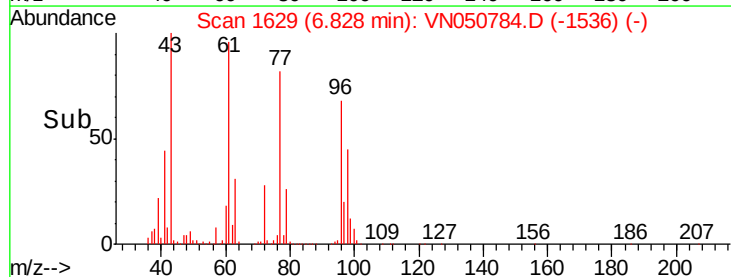
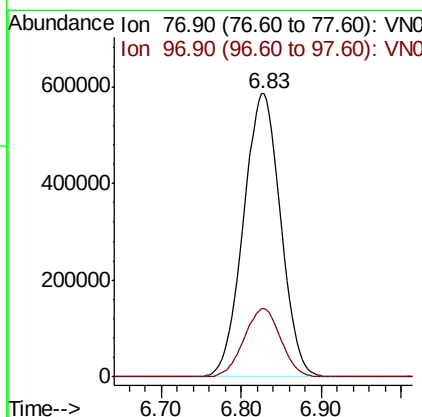
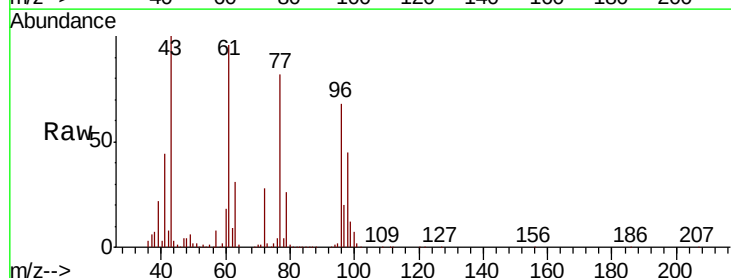
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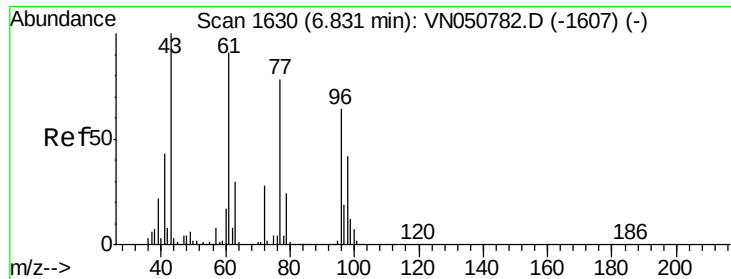
MMDadoda
 8/22/2018 11:19:01 AM



#26
 2,2-Dichloropropane
 Concen: 146.94 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN050784.D
 Acq: 21 Aug 2018 11:58

Tgt Ion: 77 Resp: 1851001
 Ion Ratio Lower Upper
 77 100
 97 23.9 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 154.70 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN050784.D

Acq: 21 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 1418419

Ion Ratio Lower Upper

96 100

61 141.6 0.0 283.4

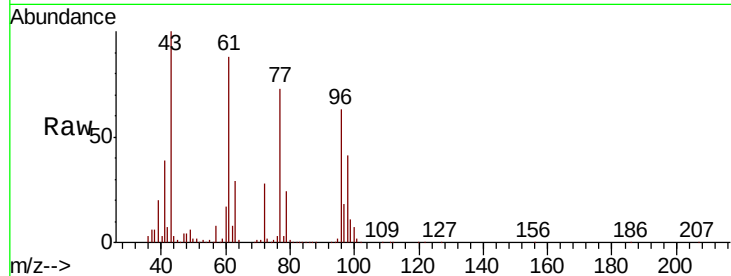
98 64.8 0.0 129.8

Manual Integrations

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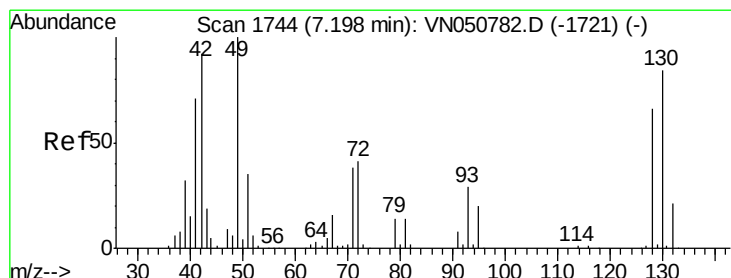
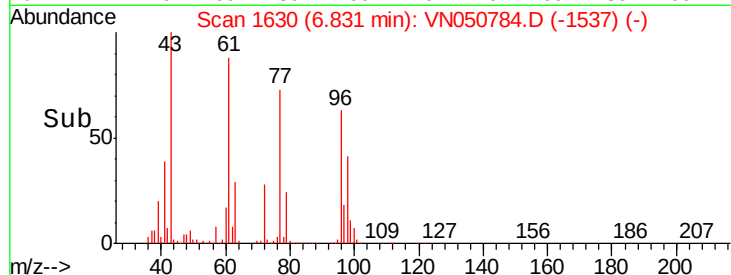
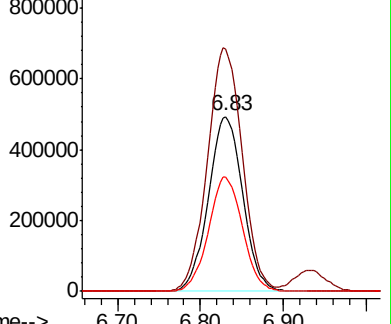
8/22/2018 11:19:01 AM



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 146.21 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VN050784.D

Acq: 21 Aug 2018 11:58

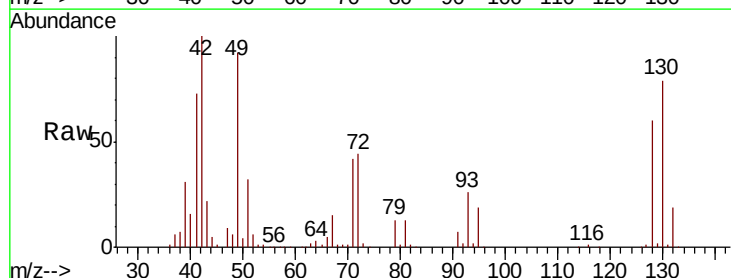
Tgt Ion: 49 Resp: 973961

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.2

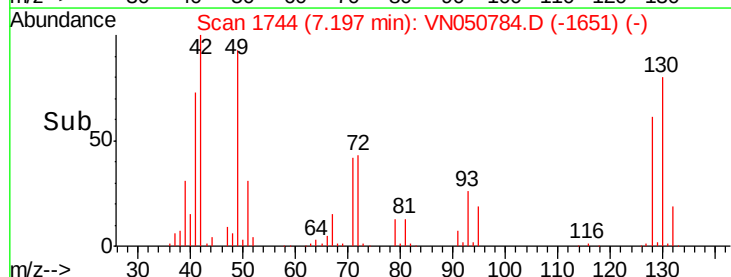
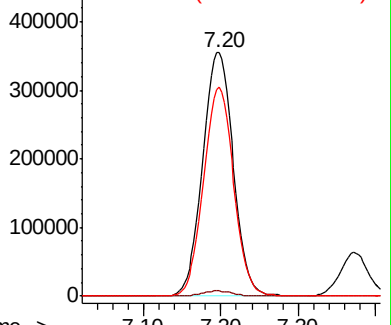
130 84.4 67.1 100.7

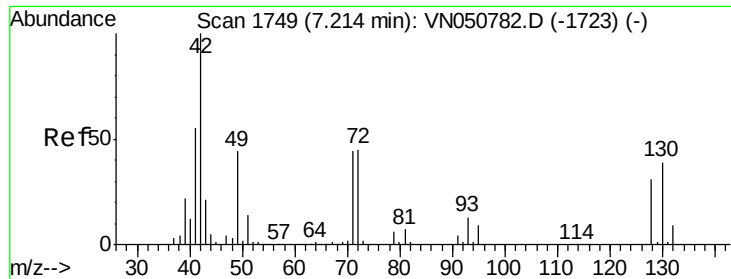


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





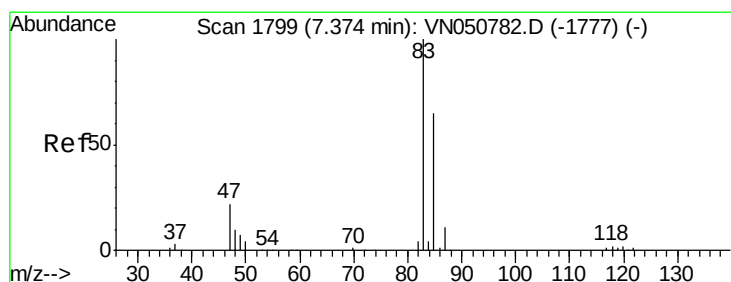
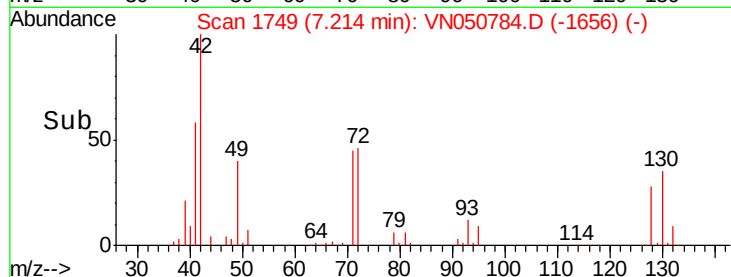
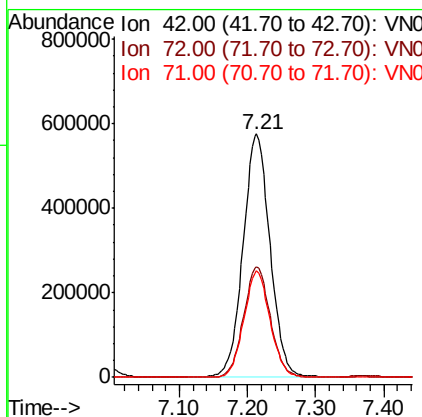
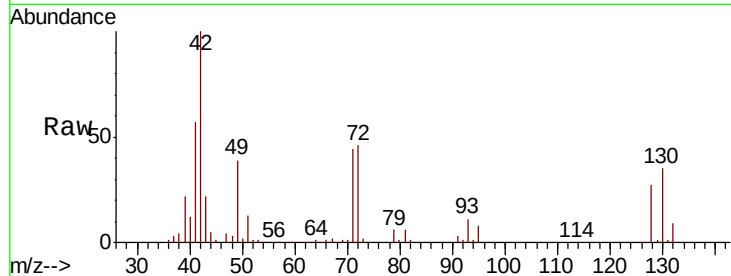
#29
Tetrahydrofuran
Concen: 810.61 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VN050784.D
Acq: 21 Aug 2018 11:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 42 Resp: 1578590
Ion Ratio Lower Upper
42 100
72 44.8 35.5 53.3
71 42.5 33.7 50.5

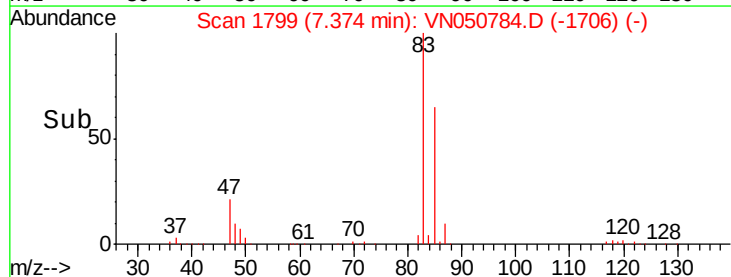
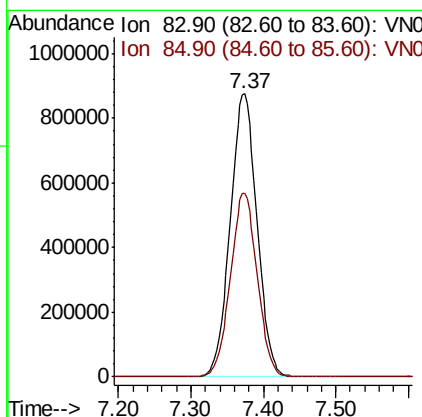
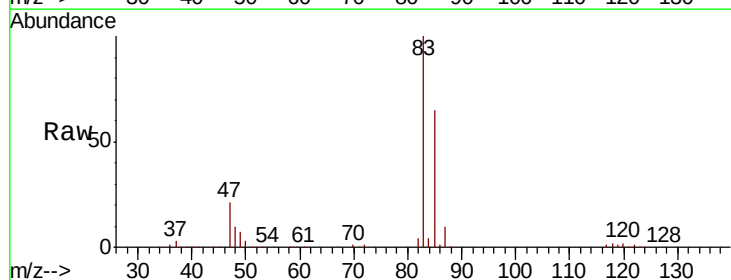
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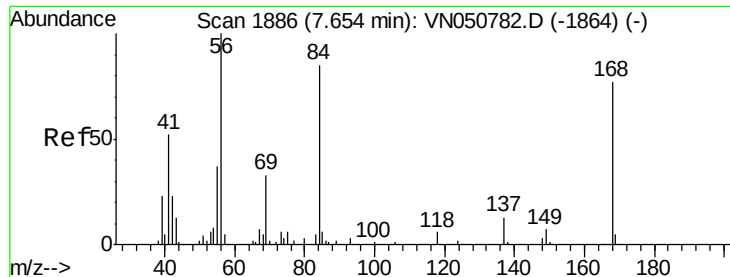
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8/22/2018 11:19:01 AM



#30
Chloroform
Concen: 144.99 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050784.D
Acq: 21 Aug 2018 11:58

Tgt Ion: 83 Resp: 2250825
Ion Ratio Lower Upper
83 100
85 65.0 52.2 78.4





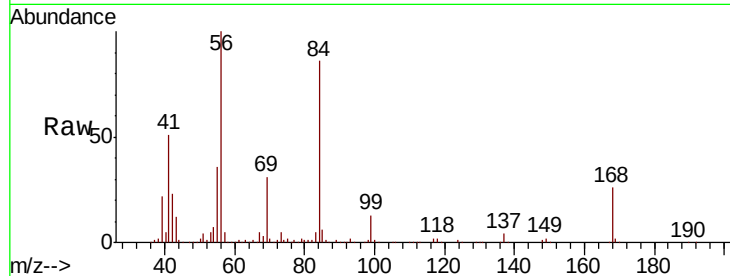
#31
Cyclohexane
Concen: 138.59 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VN050784.D
Acq: 21 Aug 2018 11:58

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

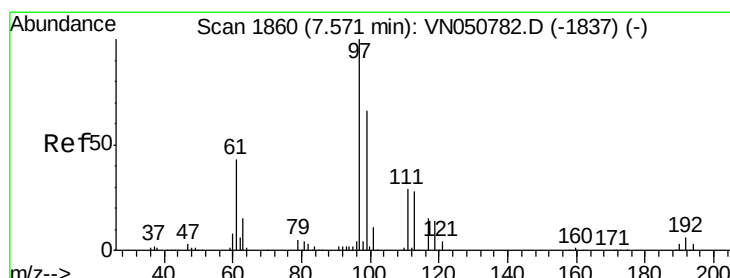
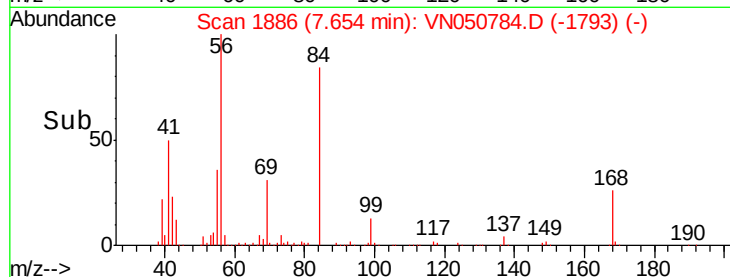
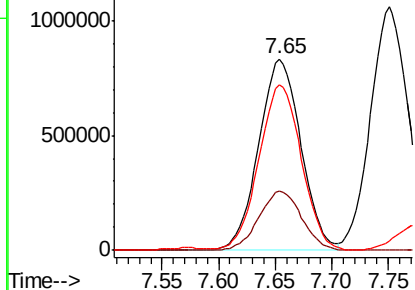
Tot Ion	Ratio	Lower	Upper
56	100		
69	30.8	26.2	39.4
84	85.1	68.3	102.5

Manual Integrations
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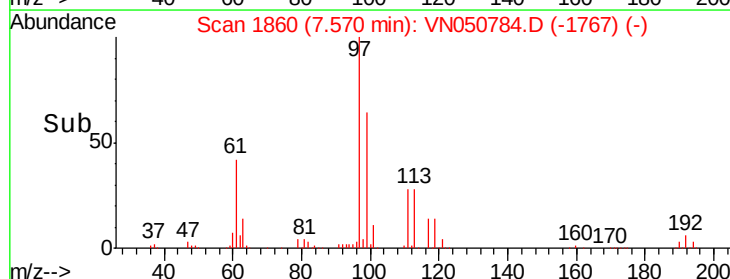
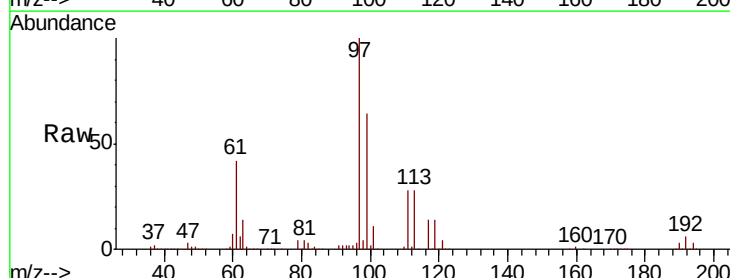
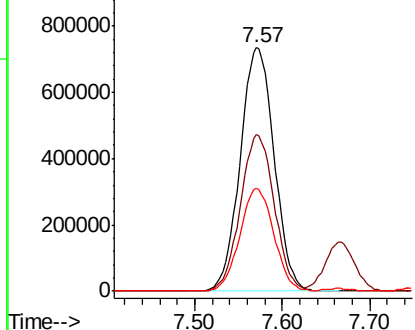
Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

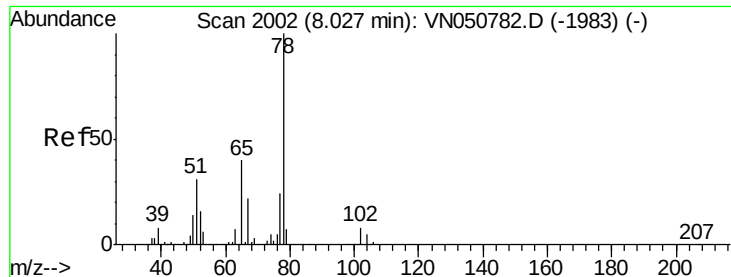


#32
1,1,1-Trichloroethane
Concen: 148.33 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN050784.D
Acq: 21 Aug 2018 11:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.8	77.6
61	42.2	34.9	52.3

Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





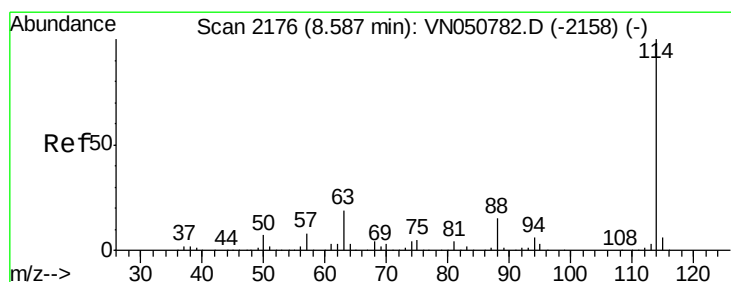
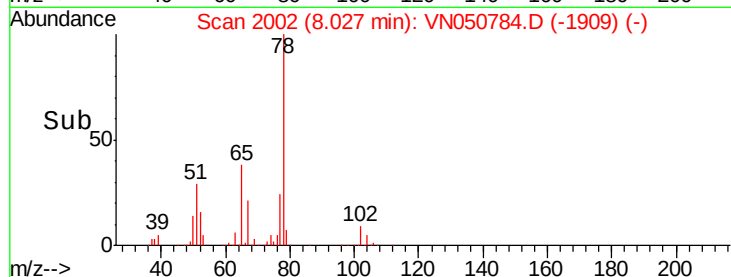
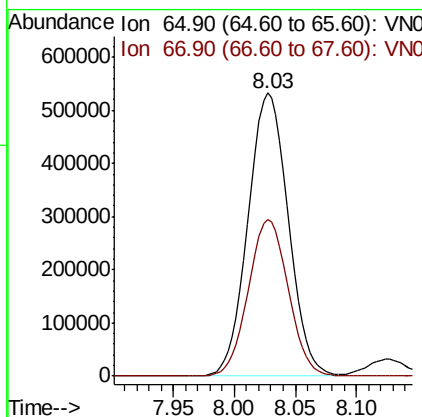
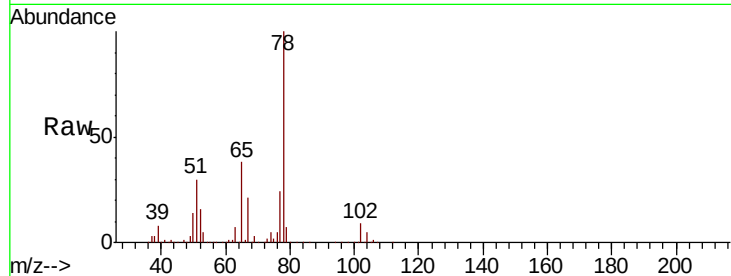
#33
 1,2-Dichloroethane-d4
 Concen: 144.34 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050784.D
 Acq: 21 Aug 2018 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 65 Resp: 1216577
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 110.4

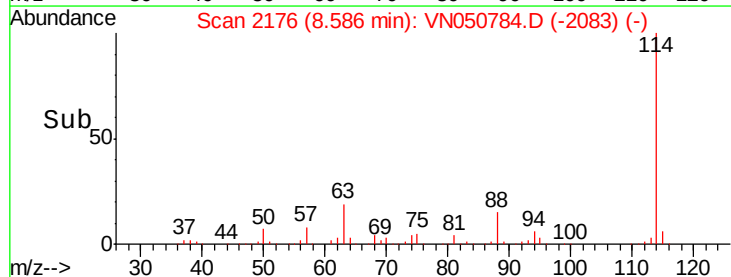
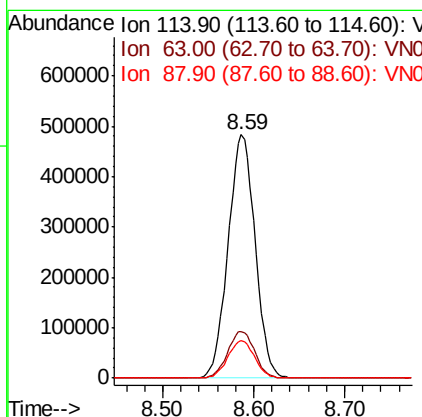
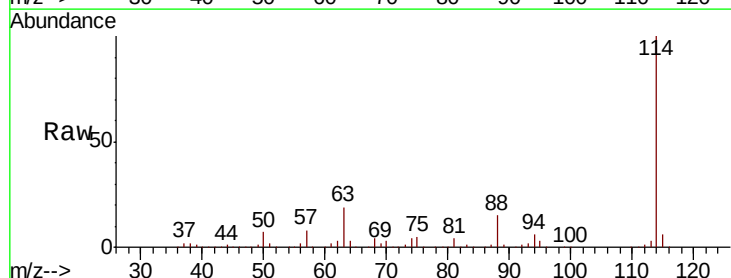
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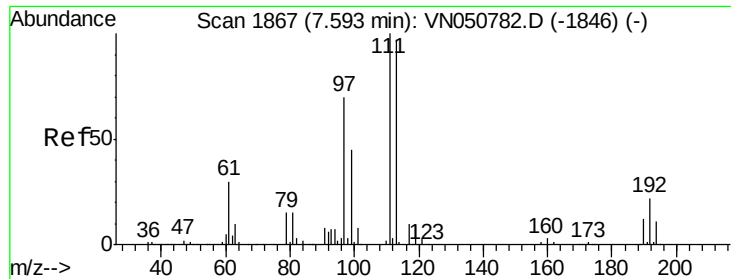
MMDadoda
 8/22/2018 11:19:01 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050784.D
 Acq: 21 Aug 2018 11:58

Tgt Ion: 114 Resp: 995249
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.6
 88 15.4 0.0 30.6





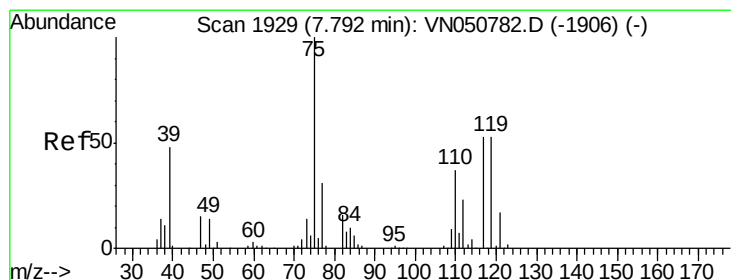
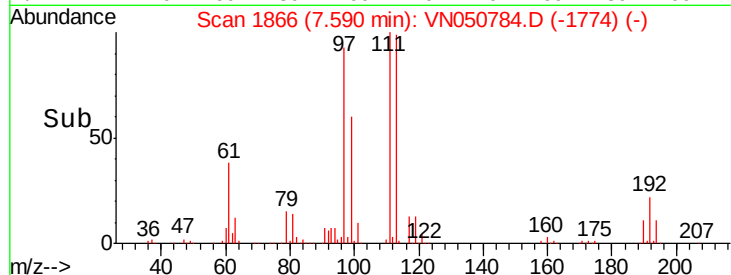
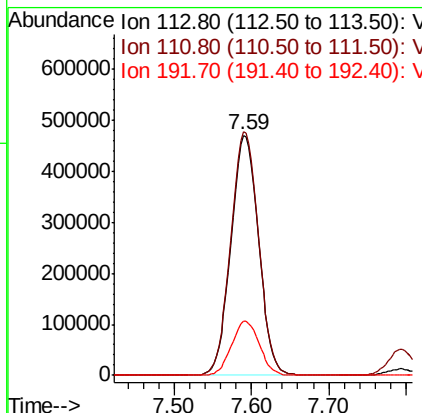
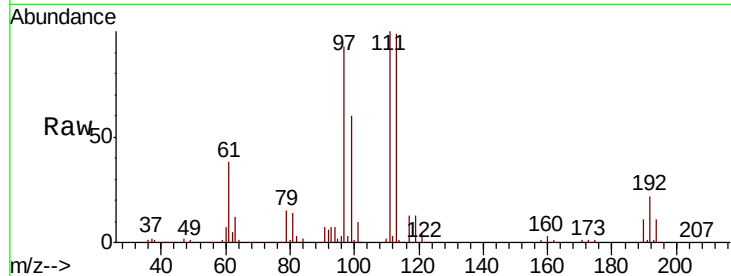
#35
 Dibromofluoromethane
 Concen: 147.07 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050784.D
 Acq: 21 Aug 2018 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.6	123.8
192	22.7	18.0	27.0

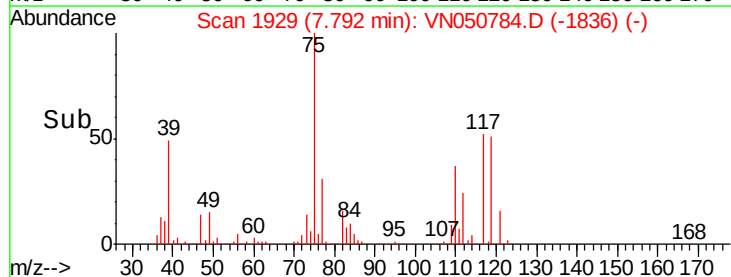
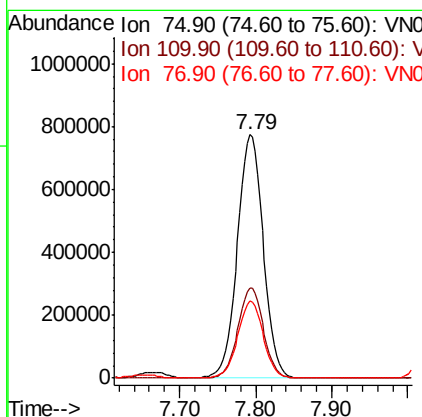
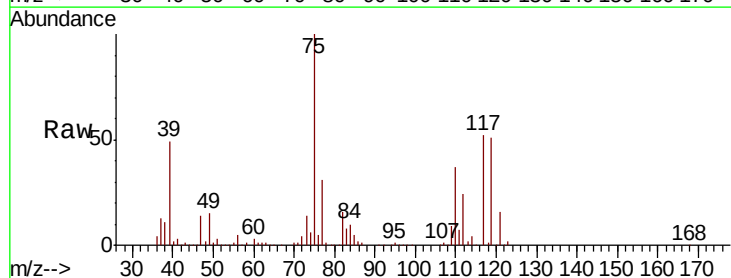
Manual Integrations
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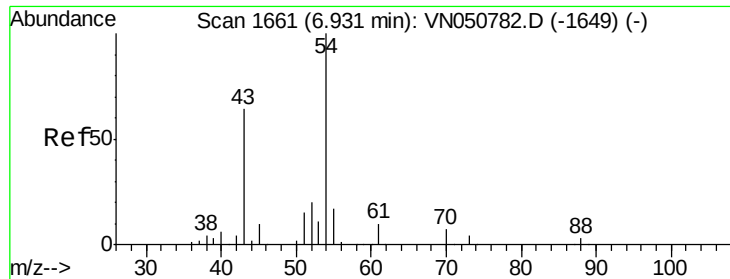
MMDadoda
 8/22/2018 11:19:01 AM



#36
 1,1-Dichloropropene
 Concen: 155.41 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050784.D
 Acq: 21 Aug 2018 11:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	18.1	54.4
77	31.2	24.8	37.2





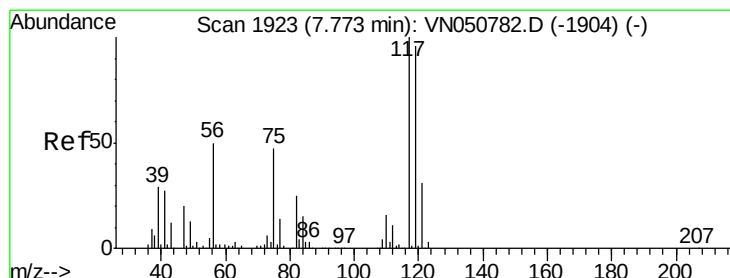
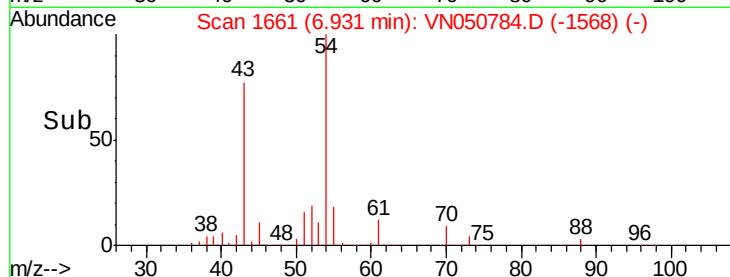
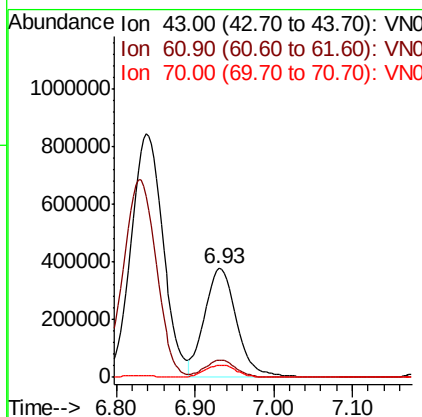
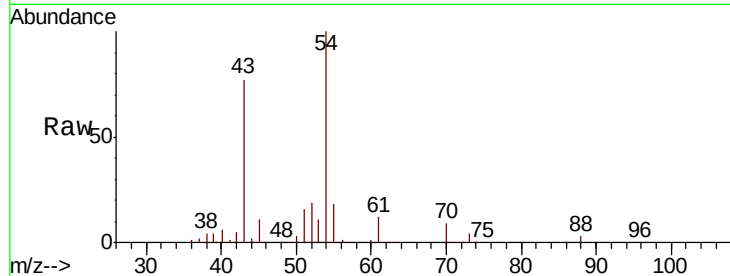
#37
Ethyl Acetate
Concen: 163.77 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN050784.D
Acq: 21 Aug 2018 11:58

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 43 Resp: 1058402
Ion Ratio Lower Upper
43 100
61 15.5 12.0 18.0
70 10.9 8.6 13.0

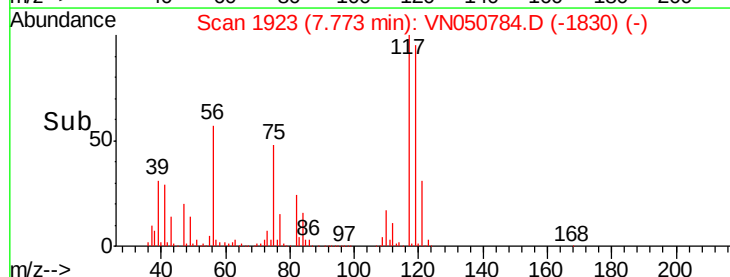
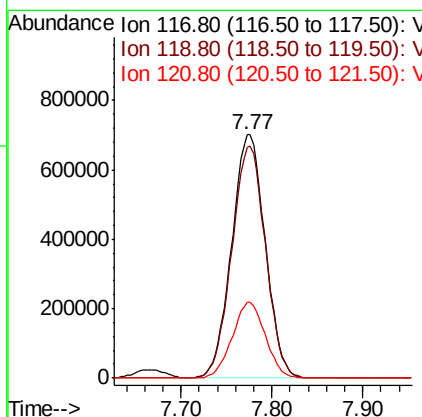
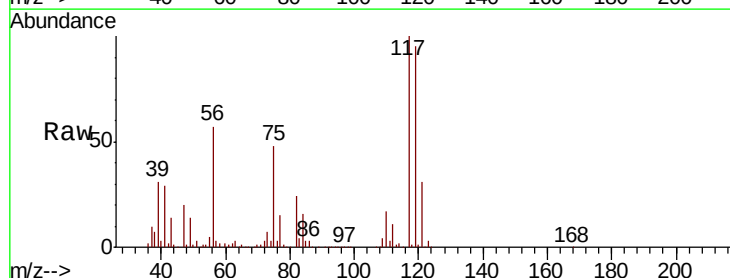
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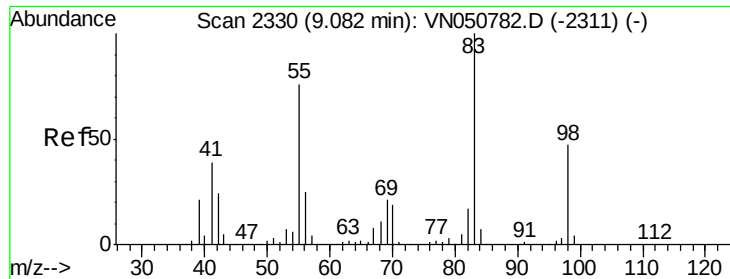
MMDadoda
8/22/2018 11:19:01 AM



#38
Carbon Tetrachloride
Concen: 151.34 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050784.D
Acq: 21 Aug 2018 11:58

Tgt Ion: 117 Resp: 1796646
Ion Ratio Lower Upper
117 100
119 95.0 76.3 114.5
121 31.0 24.6 36.8





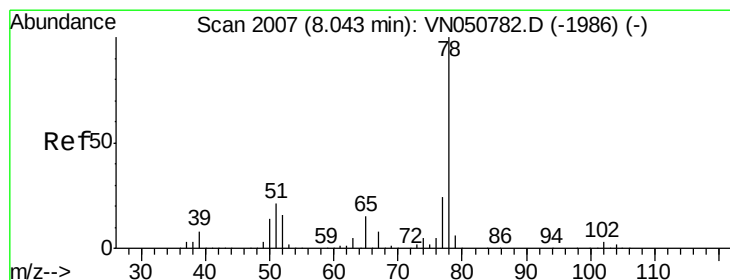
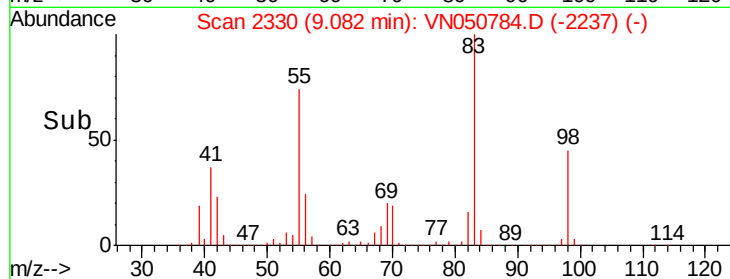
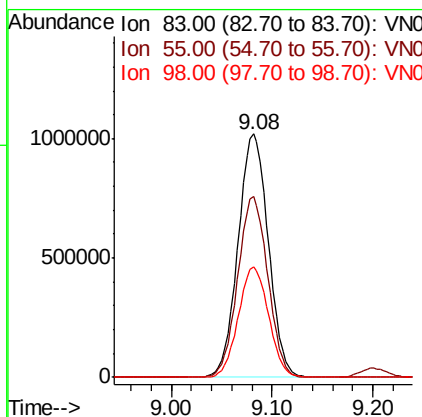
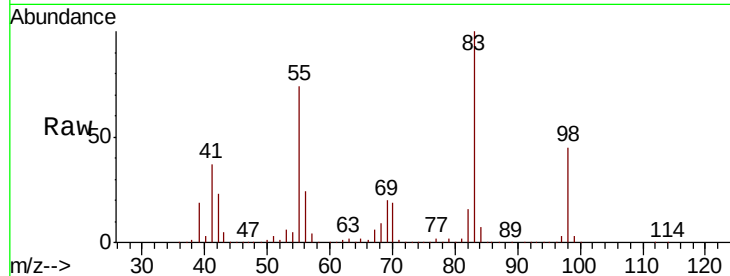
#39
Methylvlcyclohexane
Concen: 166.30 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050784.D
Acq: 21 Aug 2018 11:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	83	Resp	2112967
Ion	Ratio	Lower	Upper
83	100		
55	74.2	61.0	91.4
98	45.4	37.5	56.3

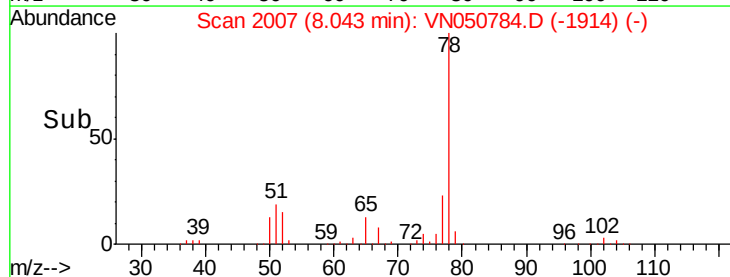
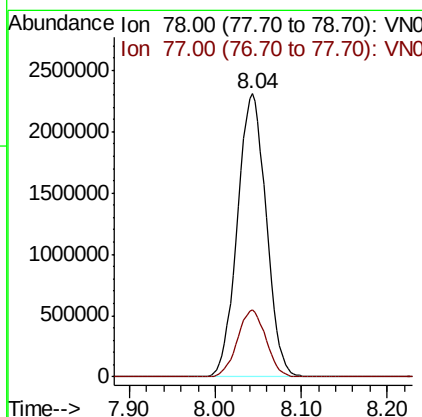
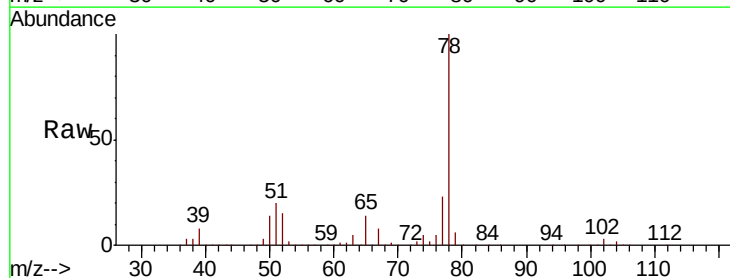
Manual Integrations
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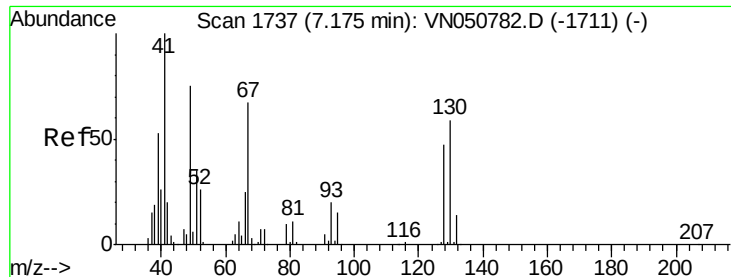
MMDadoda
8/22/2018 11:19:01 AM



#40
Benzene
Concen: 151.94 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050784.D
Acq: 21 Aug 2018 11:58

Tgt Ion	78	Resp	5380974
Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.4





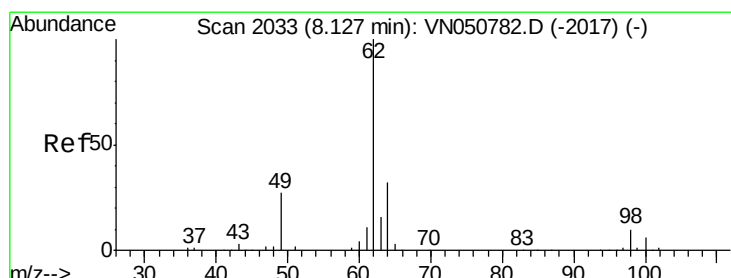
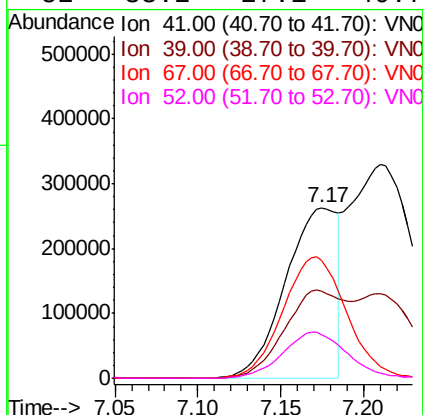
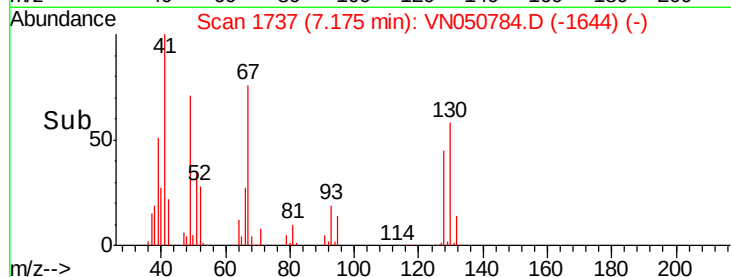
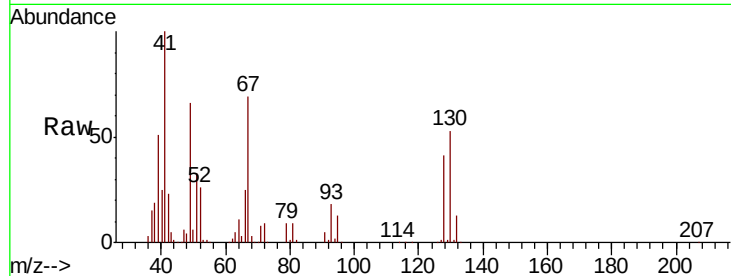
#41
Methacrylonitrile
Concen: 167.02 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN050784.D
Acq: 21 Aug 2018 11:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	59.6	45.4	68.0	
67	88.2	70.6	106.0	
52	33.2	27.1	40.7	

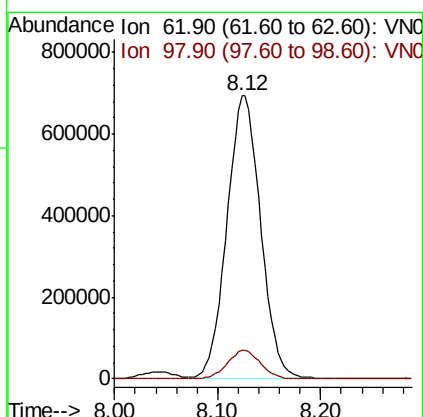
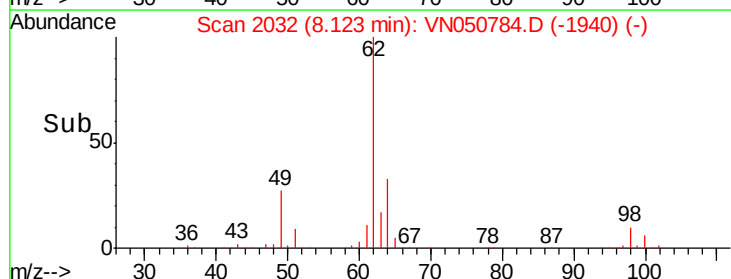
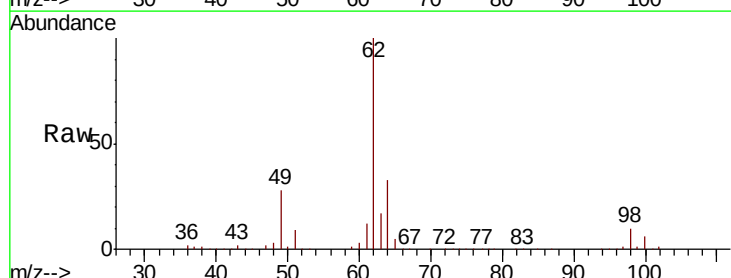
Manual Integrations
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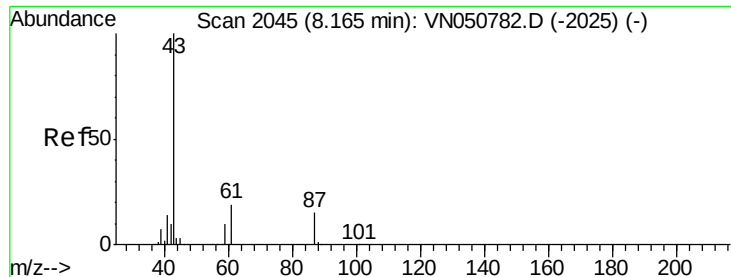
MMDadoda
8/22/2018 11:19:01 AM



#42
1,2-Dichloroethane
Concen: 148.68 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN050784.D
Acq: 21 Aug 2018 11:58

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	0.0	19.6	





#43

Isopropyl Acetate

Concen: 165.02 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VN050784.D

Acq: 21 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1914198

Ion Ratio Lower Upper

43 100

61 22.0 17.5 26.3

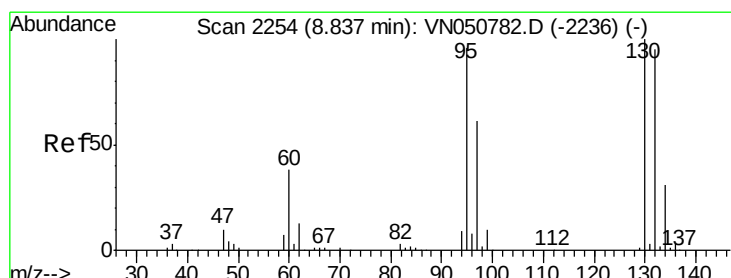
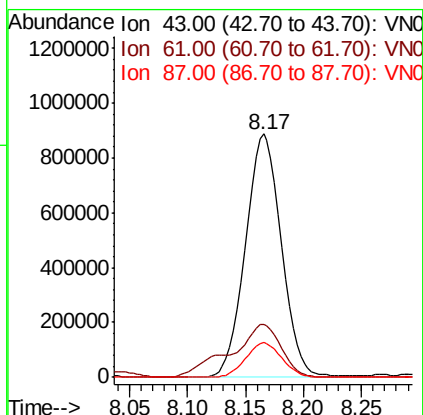
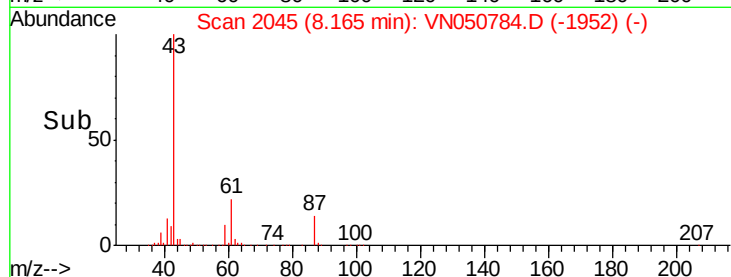
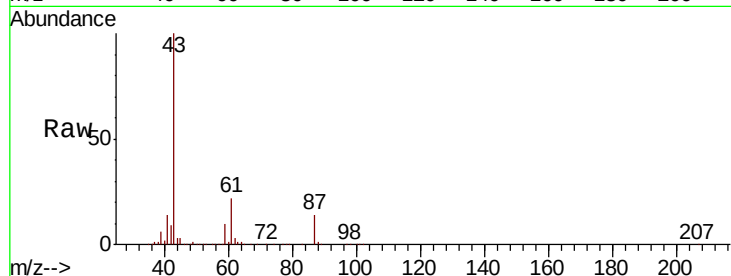
87 14.4 11.3 16.9

Manual Integrations

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MMDadoda

8/22/2018 11:19:01 AM



#44

Trichloroethene

Concen: 153.54 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN050784.D

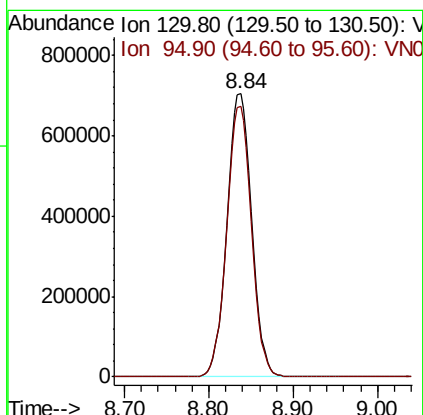
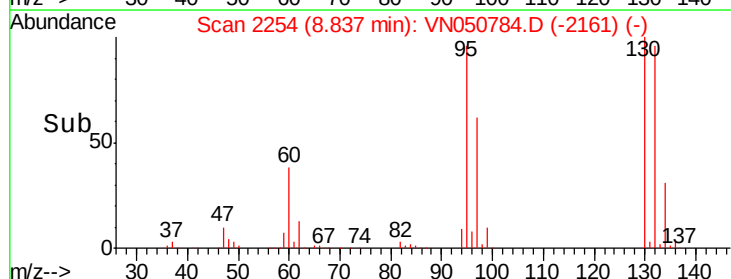
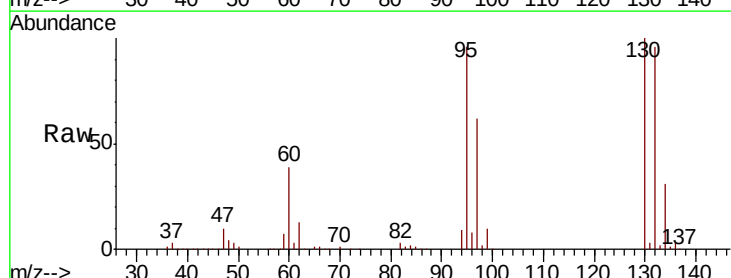
Acq: 21 Aug 2018 11:58

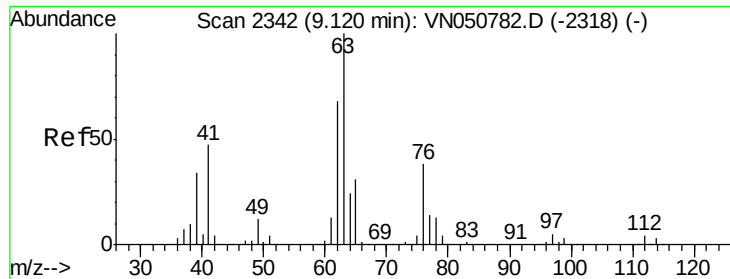
Tgt Ion:130 Resp: 1434087

Ion Ratio Lower Upper

130 100

95 95.7 0.0 193.0





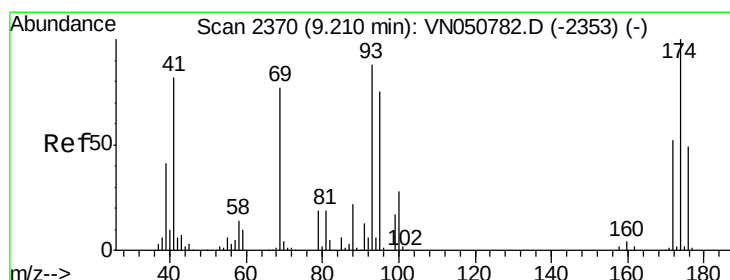
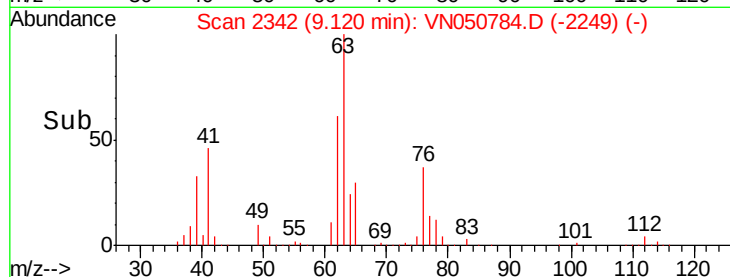
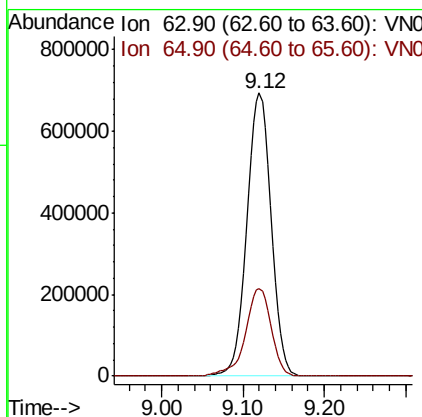
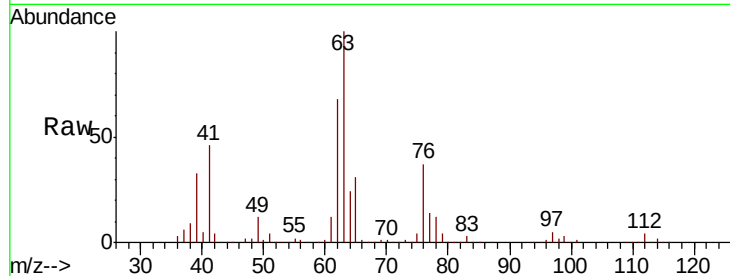
#45
 1,2-Dichloropropane
 Concen: 151.10 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050784.D
 Acq: 21 Aug 2018 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 1406447
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.0 37.6

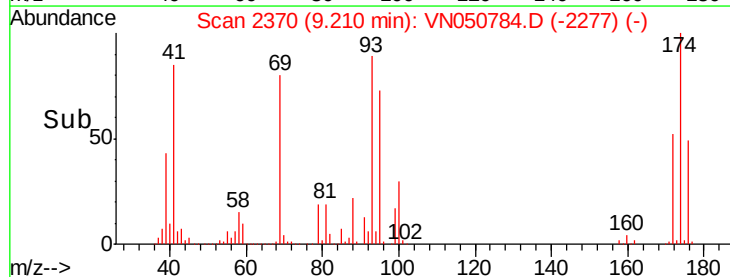
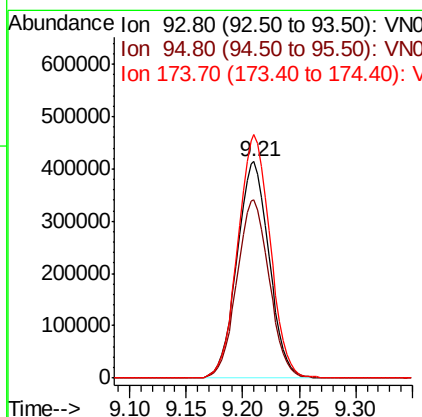
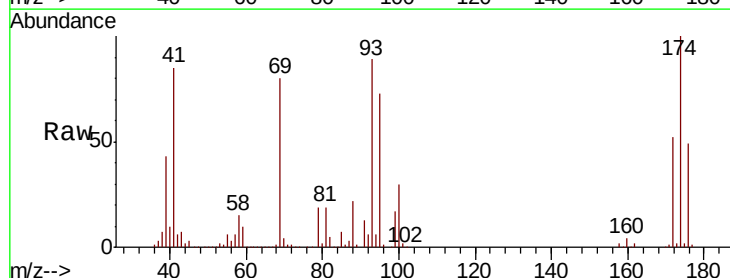
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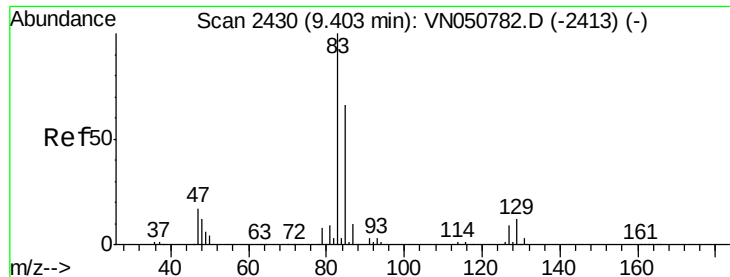
MMDadoda
 8/22/2018 11:19:01 AM



#46
 Dibromomethane
 Concen: 150.19 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050784.D
 Acq: 21 Aug 2018 11:58

Tgt Ion: 93 Resp: 821386
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.7 100.1
 174 113.0 89.8 134.6





#47

Bromodichloromethane

Concen: 154.77 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050784.D

Acq: 21 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1772831

Ion Ratio Lower Upper

83 100

85 64.1 52.6 78.8

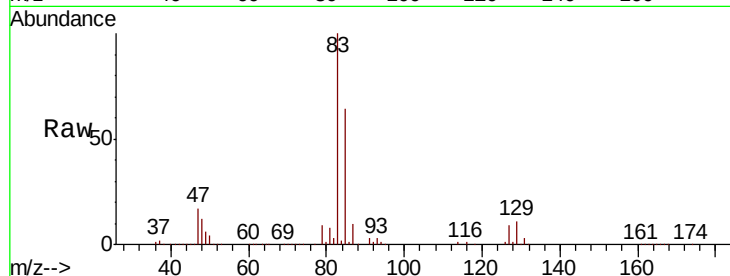
127 8.9 7.2 10.8

Manual Integrations

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MMDadoda

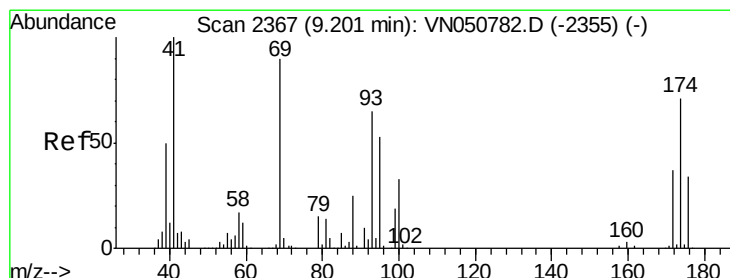
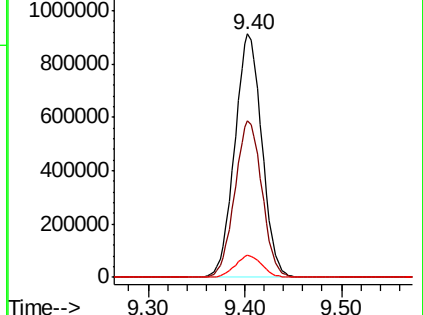
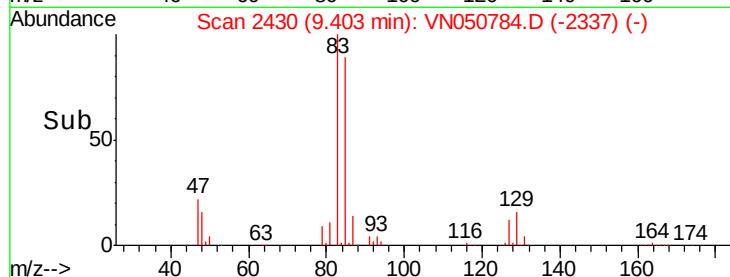
8/22/2018 11:19:01 AM



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 168.15 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN050784.D

Acq: 21 Aug 2018 11:58

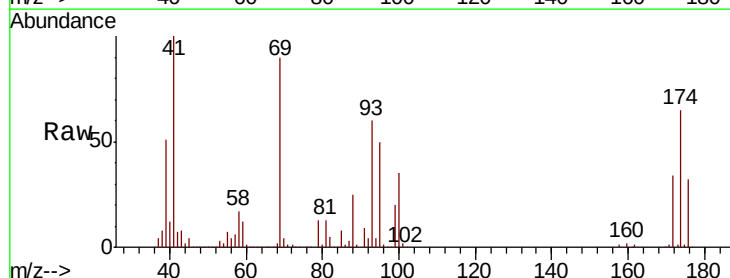
Tgt Ion: 41 Resp: 994039

Ion Ratio Lower Upper

41 100

69 94.7 74.7 112.1

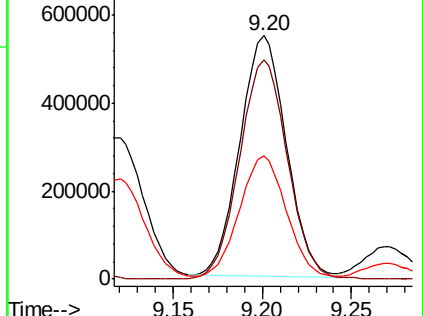
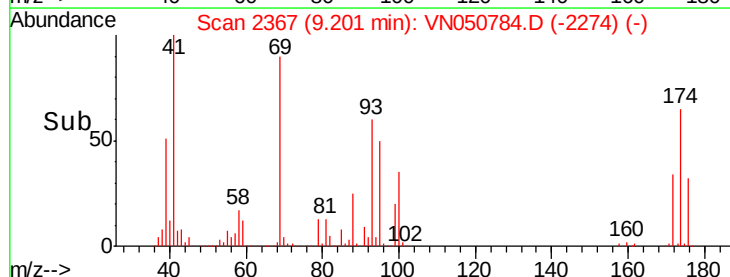
39 52.6 42.2 63.2

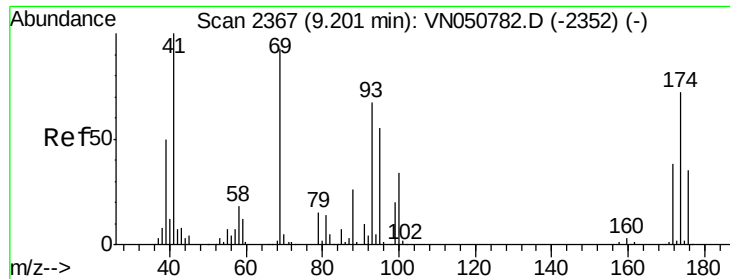


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





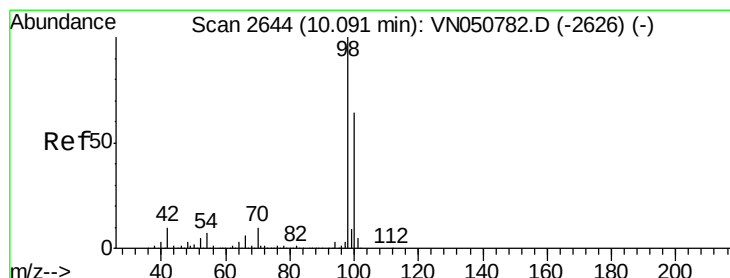
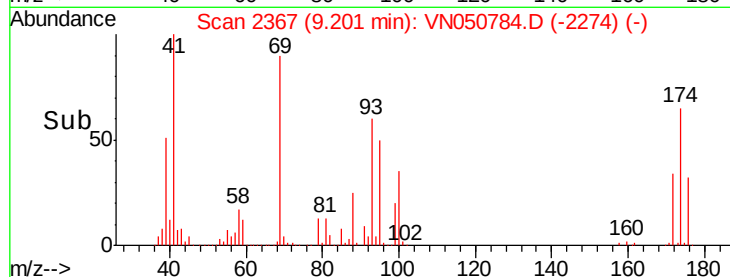
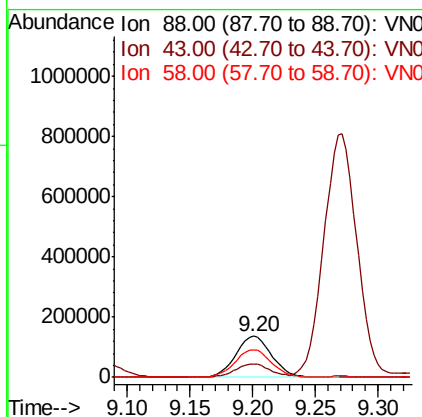
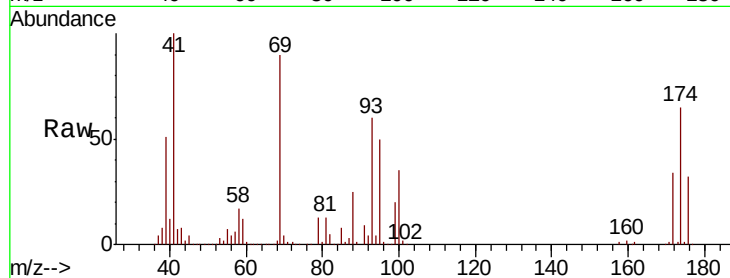
#49
 1,4-Dioxane
 Concen: 3427.59 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050784.D
 Acq: 21 Aug 2018 11:58

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.0	25.9	38.9
58	67.6	55.0	82.4

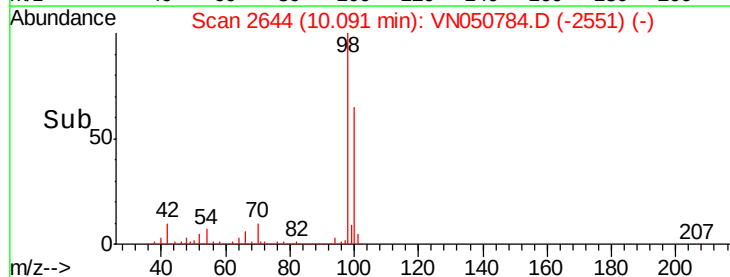
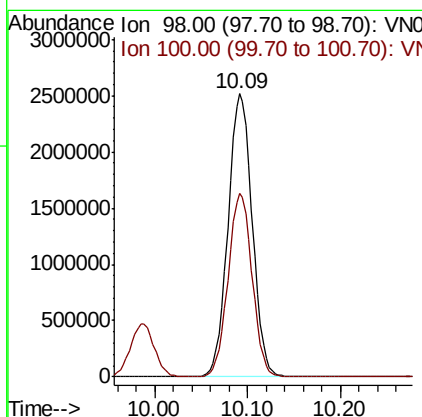
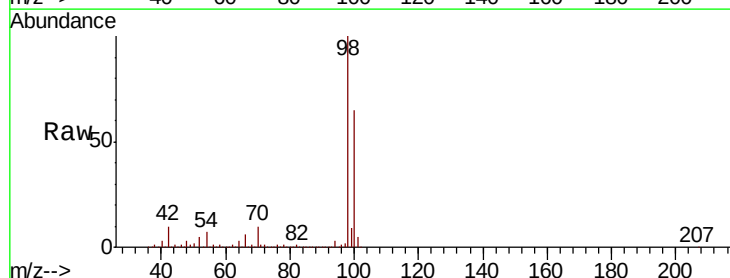
Manual Integrations
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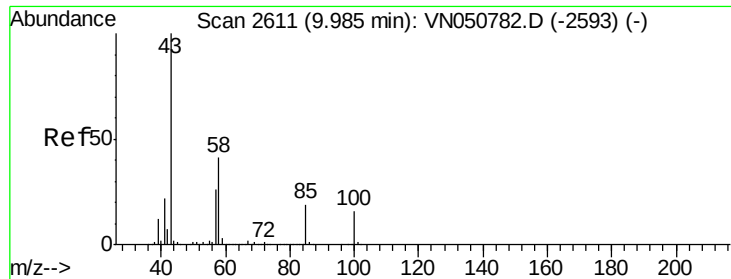
MMDadoda
 8/22/2018 11:19:01 AM



#50
 Toluene-d8
 Concen: 153.02 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050784.D
 Acq: 21 Aug 2018 11:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 767.31 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050784.D

Acq: 21 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 5311308

Ion Ratio Lower Upper

43 100

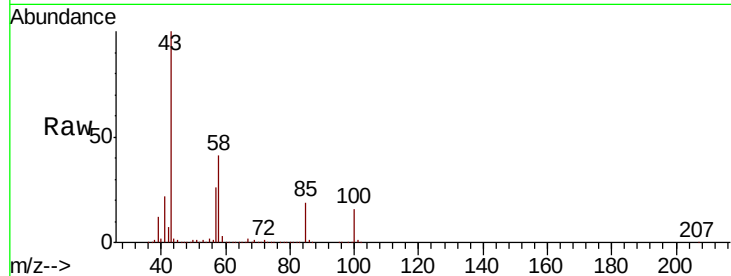
58 41.3 32.4 48.6

Manual Integrations

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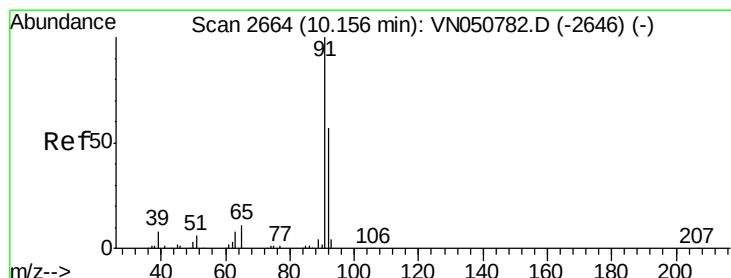
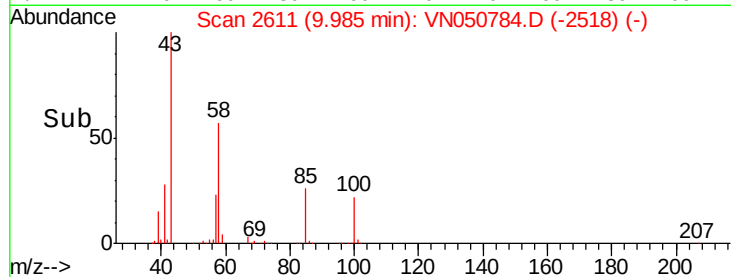
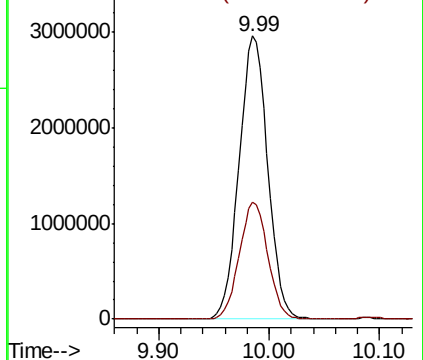
MMDadoda

8/22/2018 11:19:01 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 160.35 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050784.D

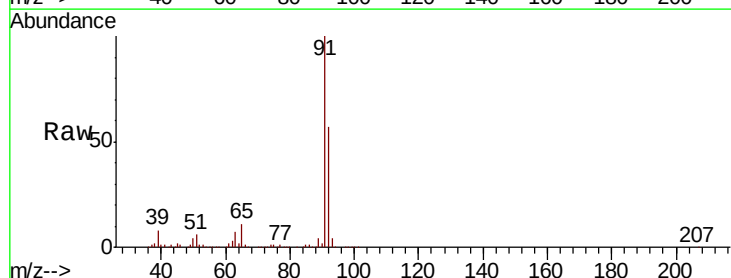
Acq: 21 Aug 2018 11:58

Tgt Ion: 92 Resp: 3364127

Ion Ratio Lower Upper

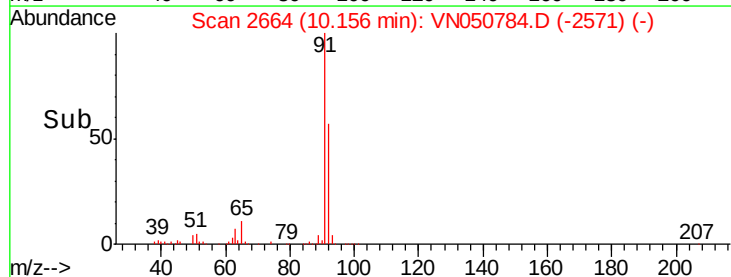
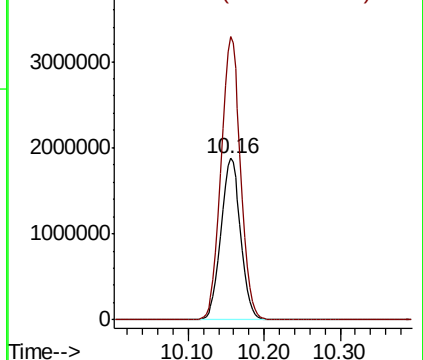
92 100

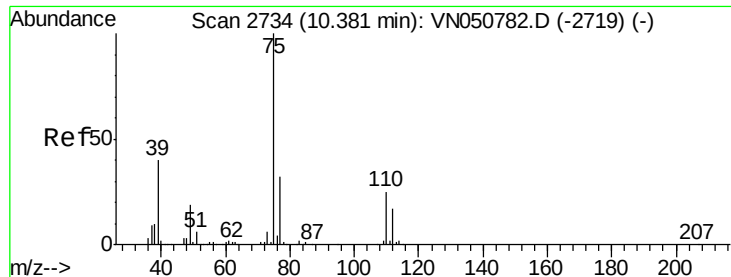
91 174.5 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





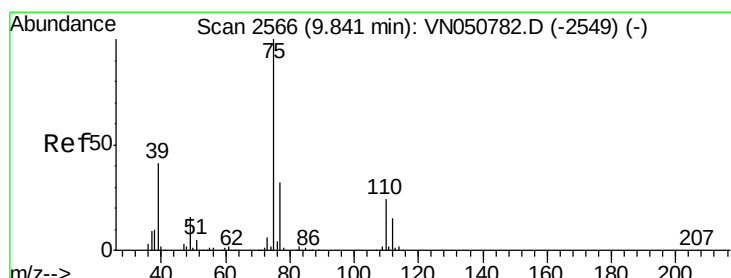
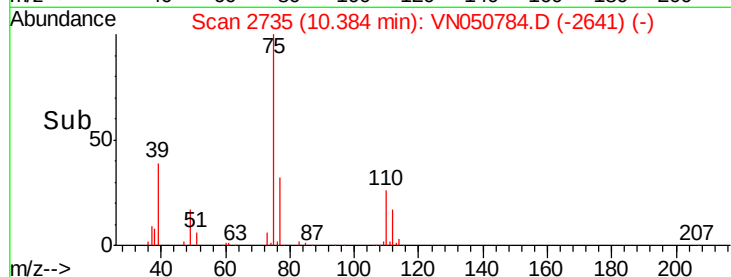
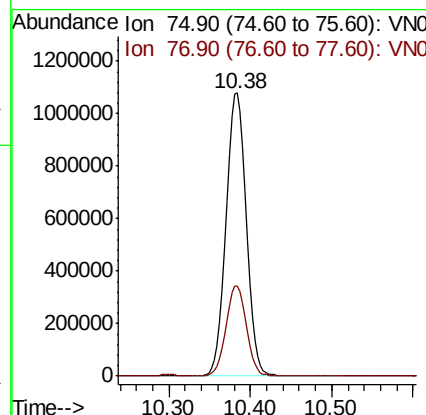
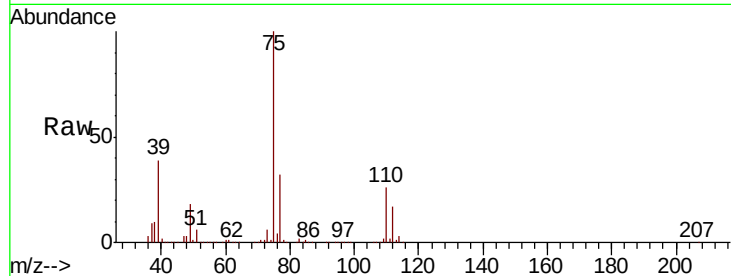
#53
t-1,3-Dichloropropene
Concen: 167.82 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050784.D
Acq: 21 Aug 2018 11:58

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 75 Resp: 1913434
Ion Ratio Lower Upper
75 100
77 31.8 25.7 38.5

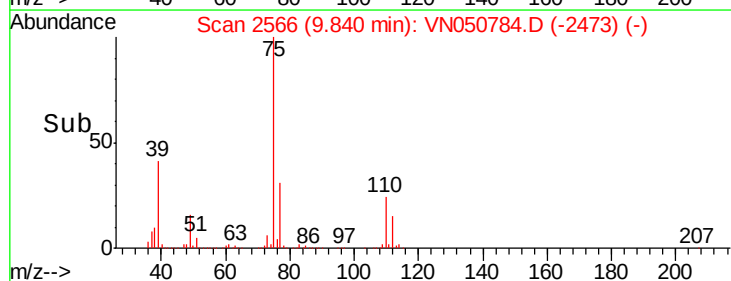
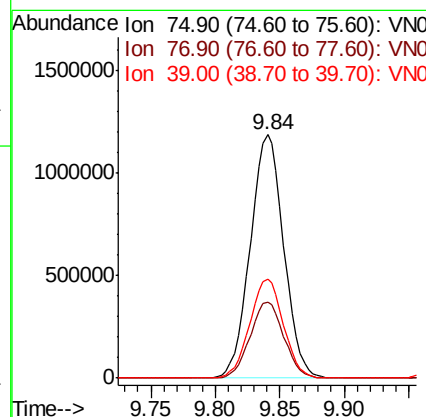
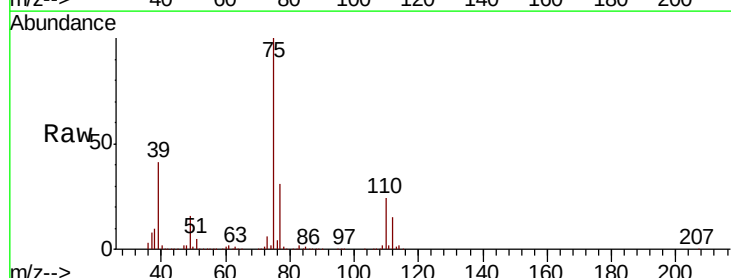
Manual Integrations
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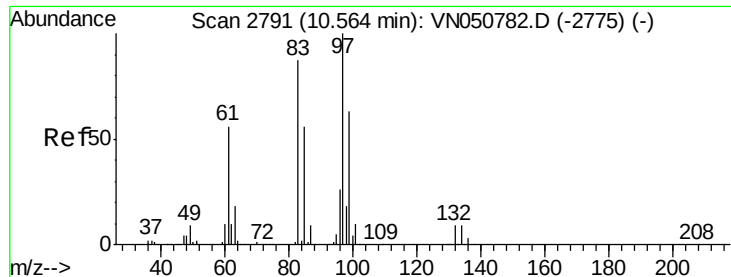
MMDadoda
8/22/2018 11:19:01 AM



#54
cis-1,3-Dichloropropene
Concen: 164.61 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050784.D
Acq: 21 Aug 2018 11:58

Tgt Ion: 75 Resp: 2149224
Ion Ratio Lower Upper
75 100
77 31.4 25.4 38.2
39 40.7 33.0 49.4





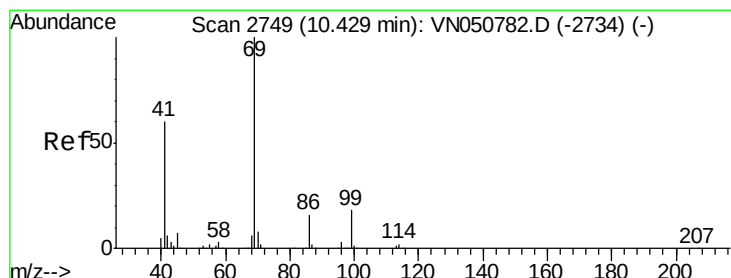
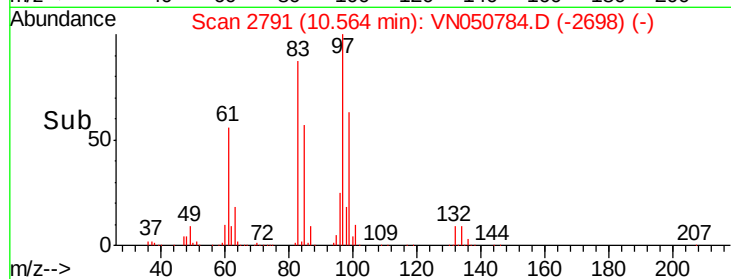
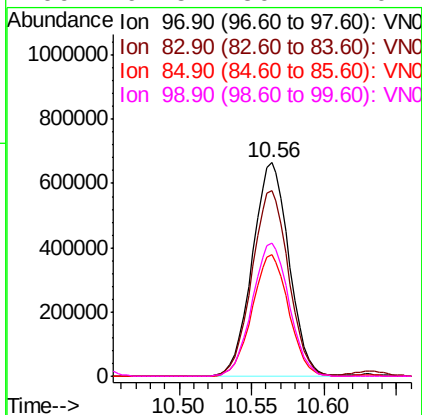
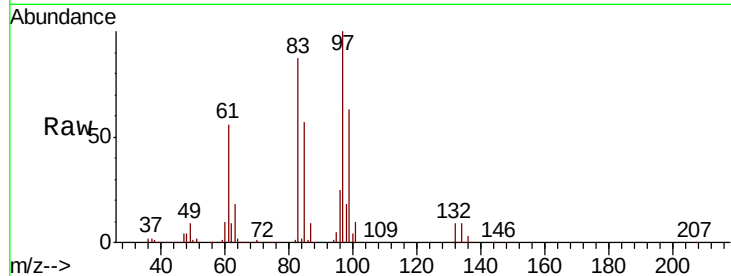
#55
 1,1,2-Trichloroethane
 Concen: 150.42 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050784.D
 Acq: 21 Aug 2018 11:58

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.9	69.7	104.5
85	56.7	44.5	66.7
99	62.5	50.7	76.1

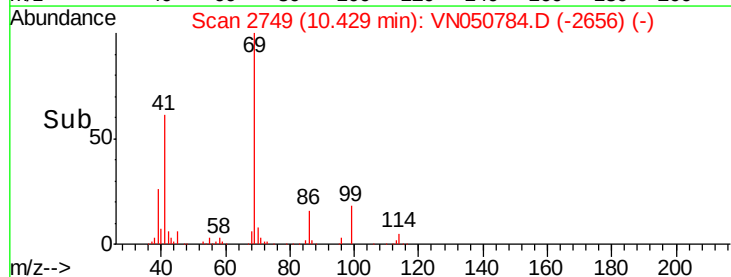
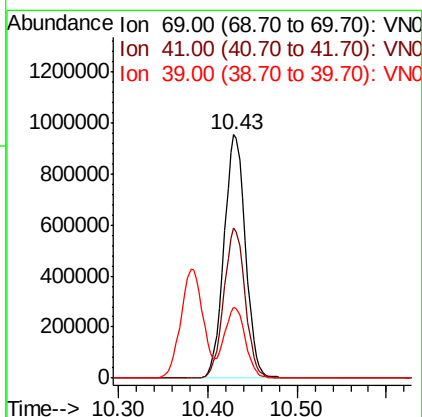
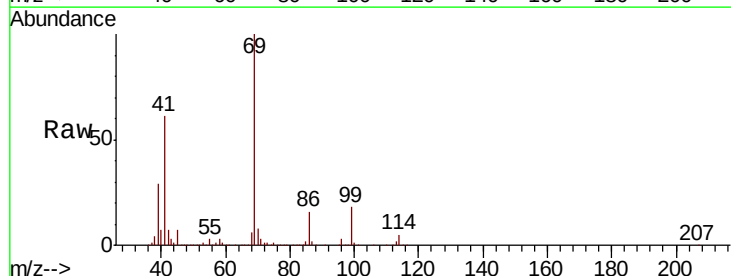
Manual Integrations
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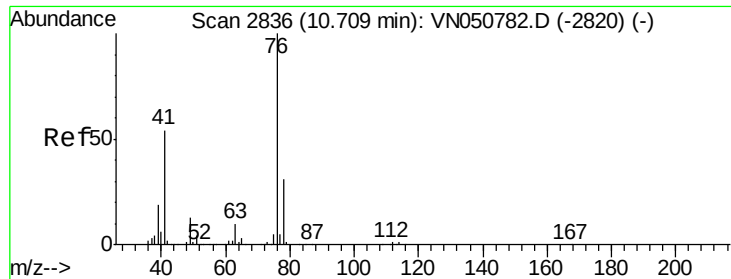
MMDadoda
 8/22/2018 11:19:01 AM



#56
 Ethyl methacrylate
 Concen: 179.49 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN050784.D
 Acq: 21 Aug 2018 11:58

Tgt Ion	Ratio	Lower	Upper
69	100		
41	60.8	48.3	72.5
39	29.2	24.0	36.0





#57

1,3-Dichloropropane

Concen: 156.20 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN050784.D

Acq: 21 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 2007526

Ion Ratio Lower Upper

76 100

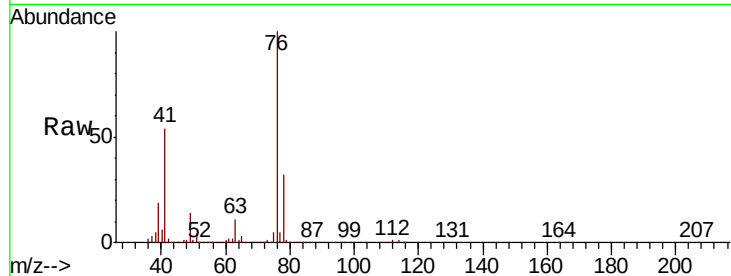
78 32.1 25.5 38.3

Manual Integrations

APPROVED

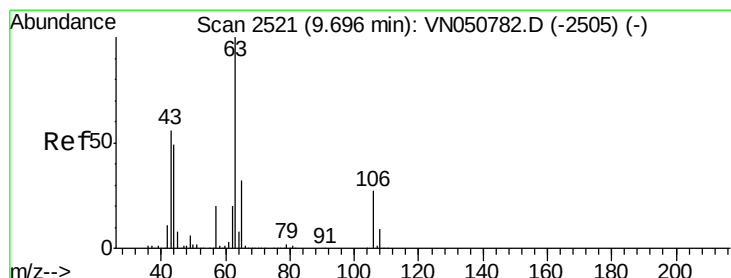
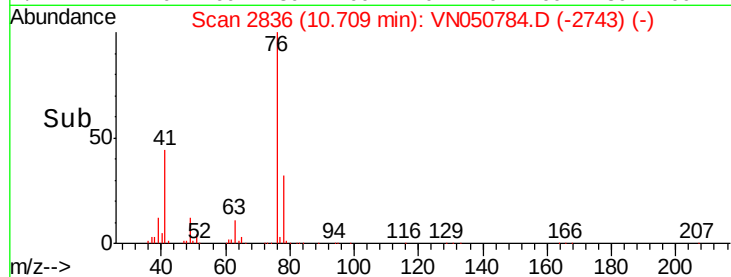
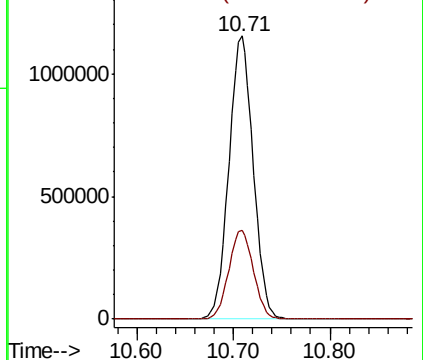
MMDadoda

8/22/2018 11:19:01 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 918.04 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VN050784.D

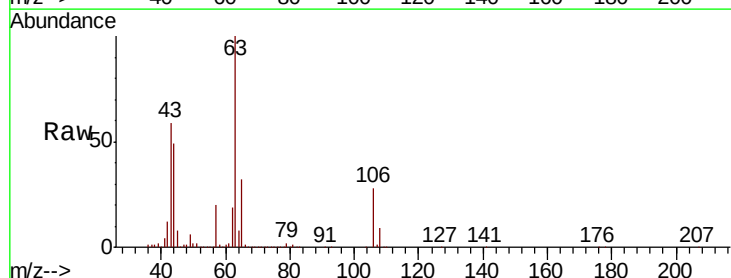
Acq: 21 Aug 2018 11:58

Tgt Ion: 63 Resp: 3461787

Ion Ratio Lower Upper

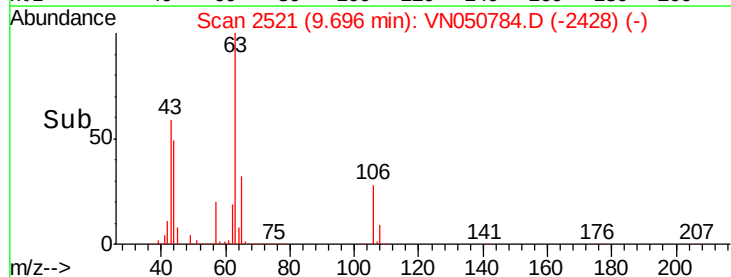
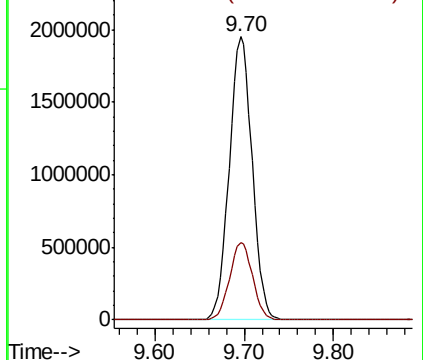
63 100

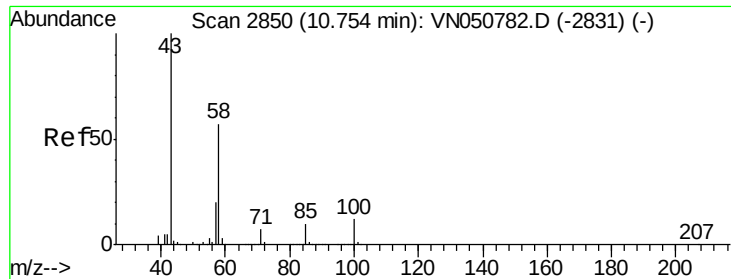
106 27.5 21.9 32.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





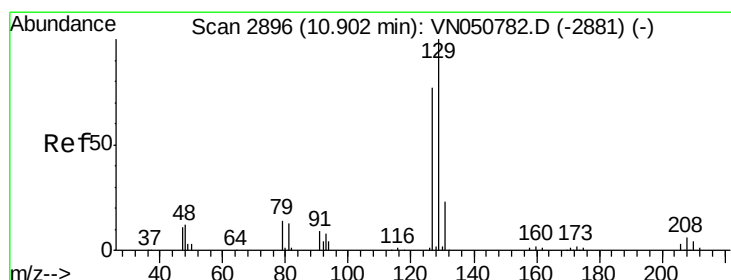
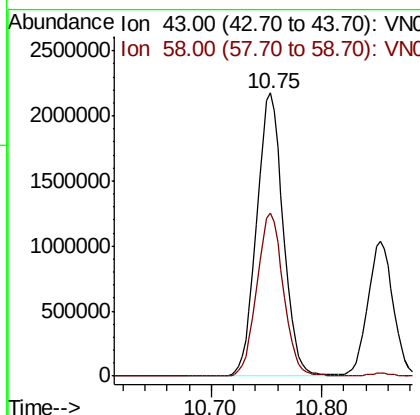
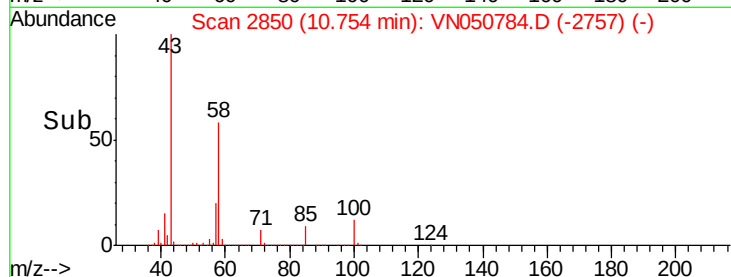
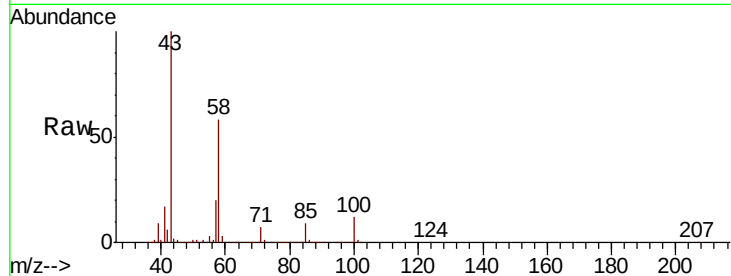
#59
2-Hexanone
Concen: 786.20 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050784.D
Acq: 21 Aug 2018 11:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 3622940
Ion Ratio Lower Upper
43 100
58 57.9 28.3 85.0

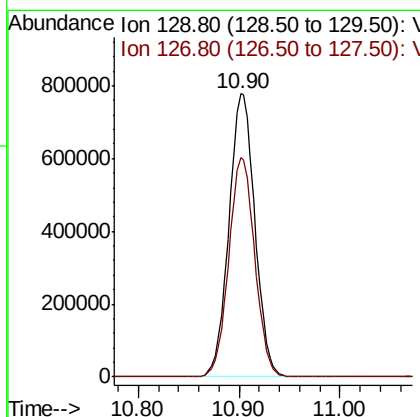
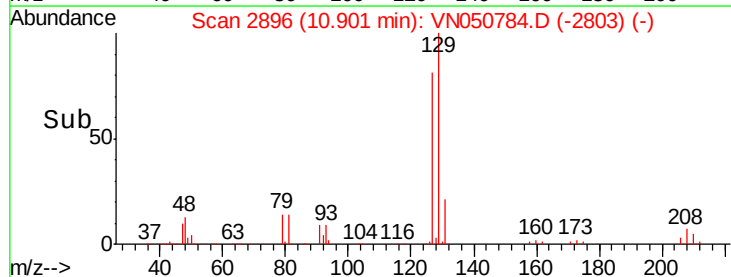
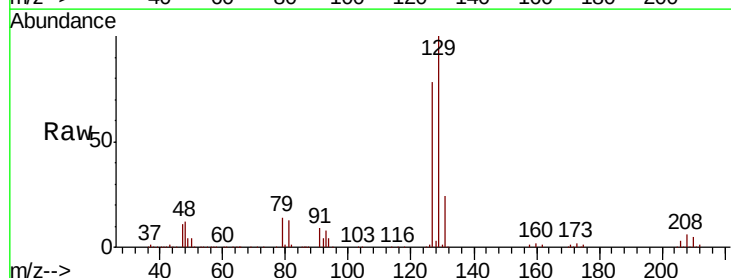
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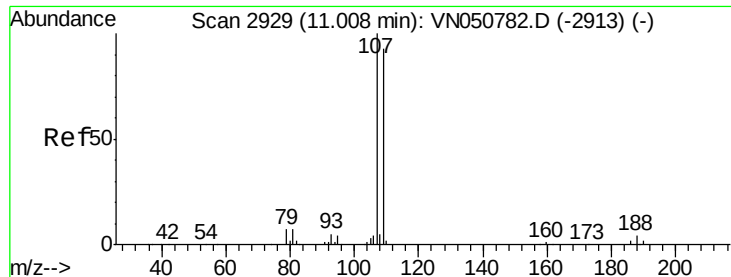
MMDadoda
8/22/2018 11:19:01 AM



#60
Dibromochloromethane
Concen: 160.02 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050784.D
Acq: 21 Aug 2018 11:58

Tgt Ion: 129 Resp: 1395111
Ion Ratio Lower Upper
129 100
127 77.6 38.3 114.9





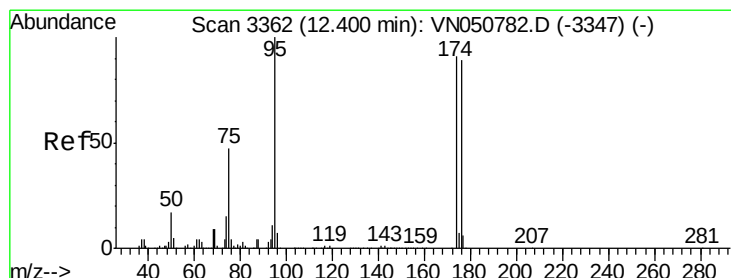
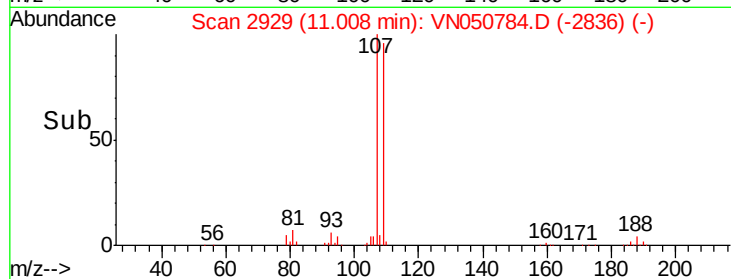
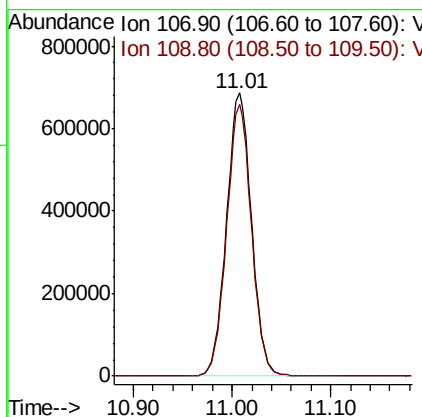
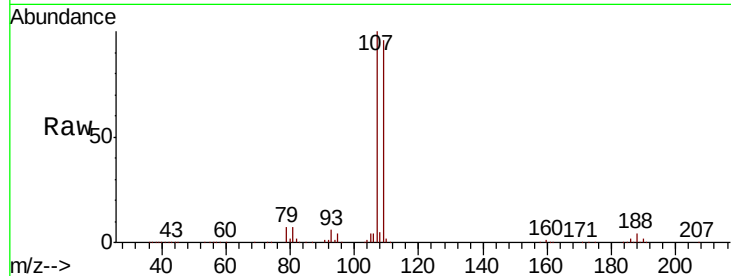
#61
 1,2-Dibromoethane
 Concen: 161.46 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN050784.D
 Acq: 21 Aug 2018 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:107 Resp: 1215701
 Ion Ratio Lower Upper
 107 100
 109 95.4 75.4 113.2

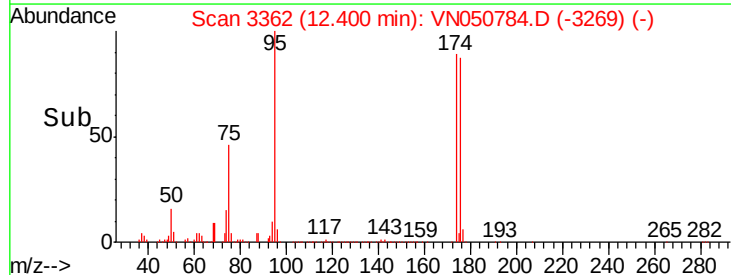
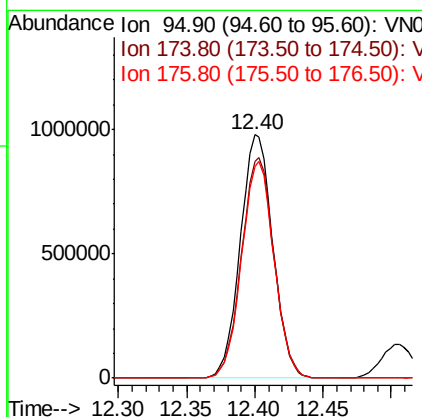
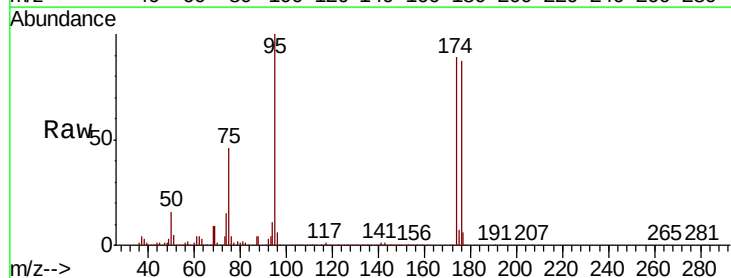
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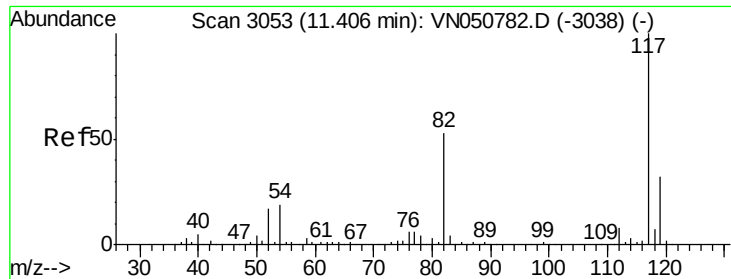
MMDadoda
 8/22/2018 11:19:01 AM



#62
 4-Bromofluorobenzene
 Concen: 165.01 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. -0.00 min
 Lab File: VN050784.D
 Acq: 21 Aug 2018 11:58

Tgt Ion: 95 Resp: 1623183
 Ion Ratio Lower Upper
 95 100
 174 90.7 0.0 183.0
 176 88.3 0.0 178.8





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050784.D

Acq: 21 Aug 2018 11:58

Instrument :

MSVOA_N

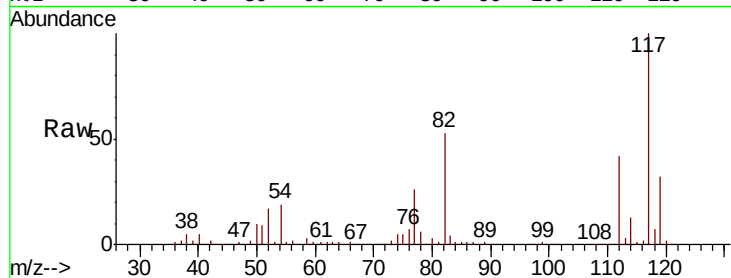
ClientSampleId :

VSTDIC150

Tot Ion:	117	Resp:	954101
Ion Ratio	Lower	Upper	
117	100		
82	53.2	42.6	64.0
119	32.5	25.8	38.6

Manual Integrations
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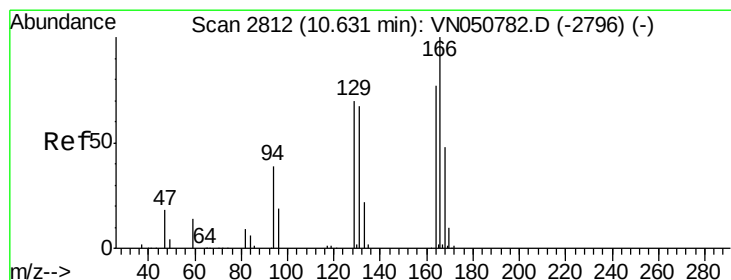
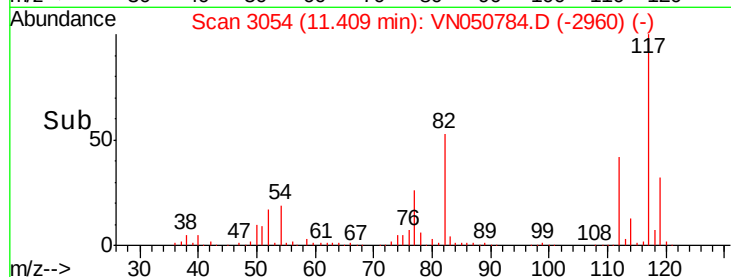
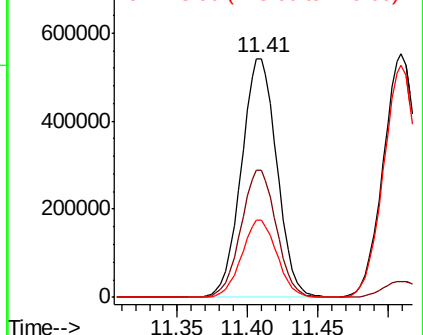


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 142.32 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN050784.D

Acq: 21 Aug 2018 11:58

Tgt Ion:	164	Resp:	1289719
Ion Ratio	Lower	Upper	
164	100		
166	127.9	103.5	155.3
129	91.5	72.7	109.1
131	88.3	69.5	104.3

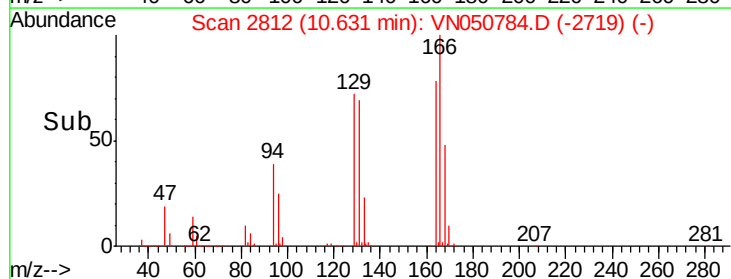
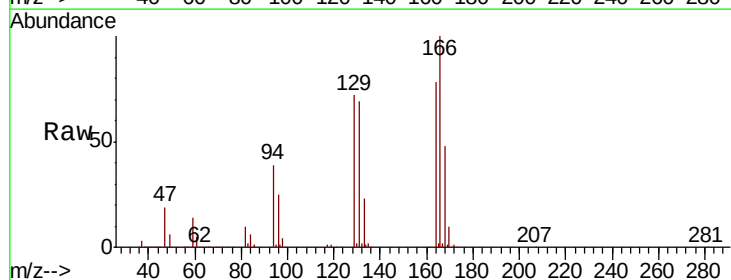
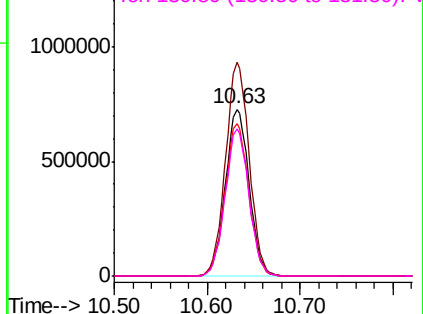
Abundance

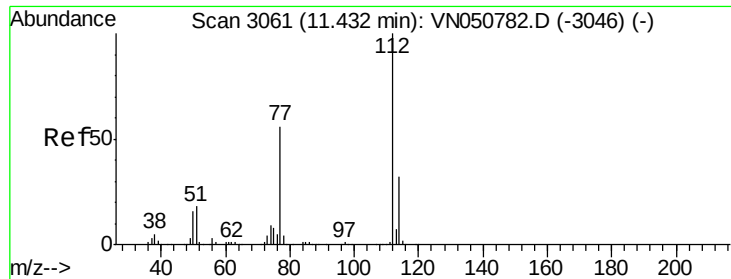
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 151.04 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN050784.D

Acq: 21 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 3766580

Ion Ratio Lower Upper

112 100

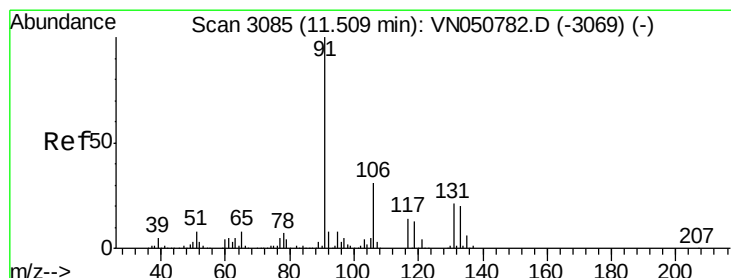
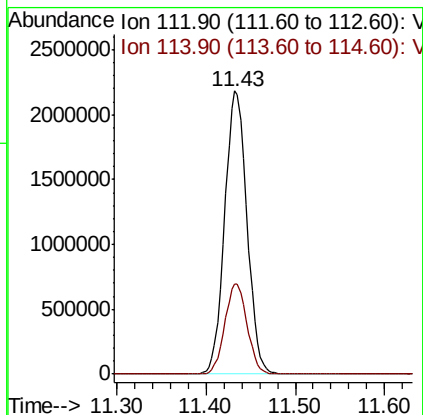
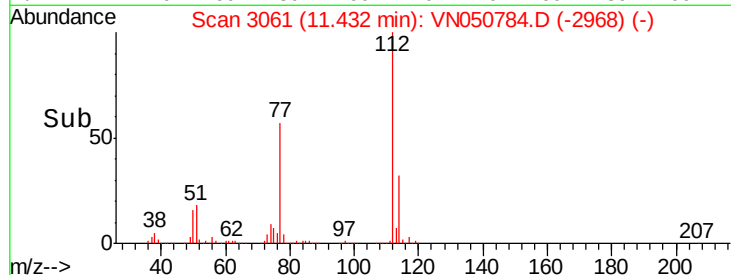
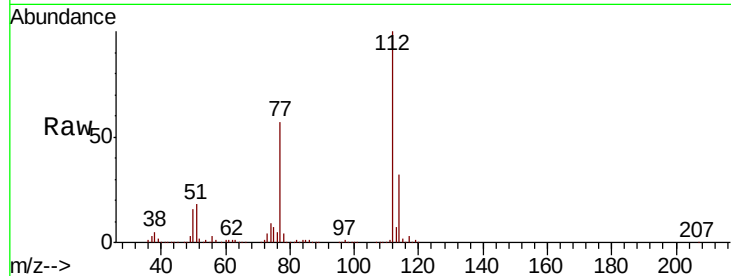
114 32.0 25.6 38.4

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#66

1,1,1,2-Tetrachloroethane

Concen: 150.59 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050784.D

Acq: 21 Aug 2018 11:58

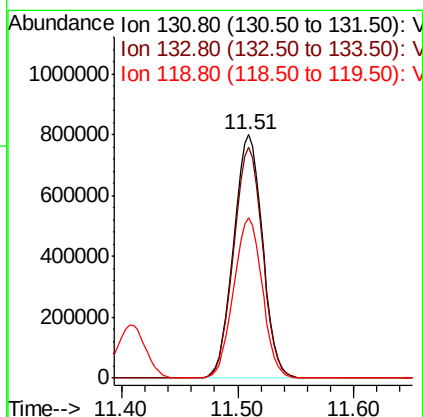
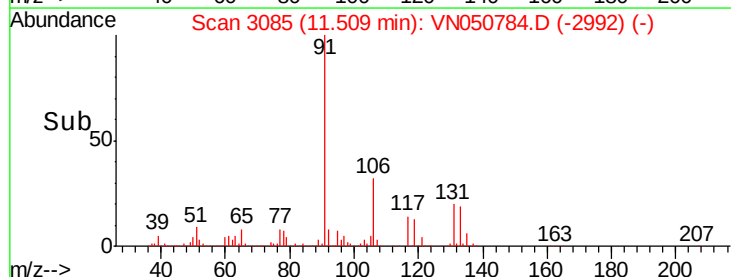
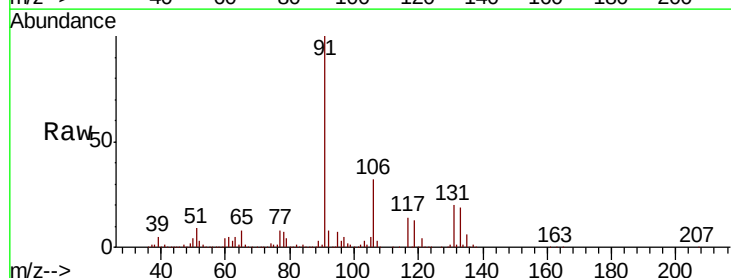
Tgt Ion:131 Resp: 1374065

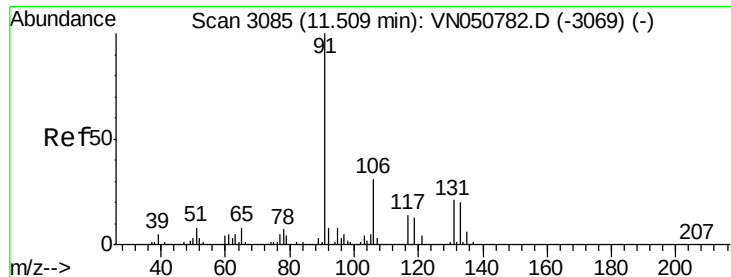
Ion Ratio Lower Upper

131 100

133 94.9 47.4 142.3

119 65.4 32.8 98.4





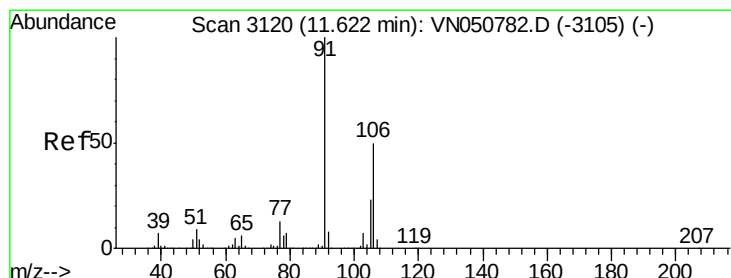
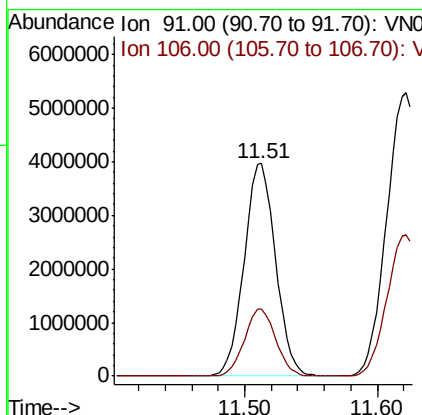
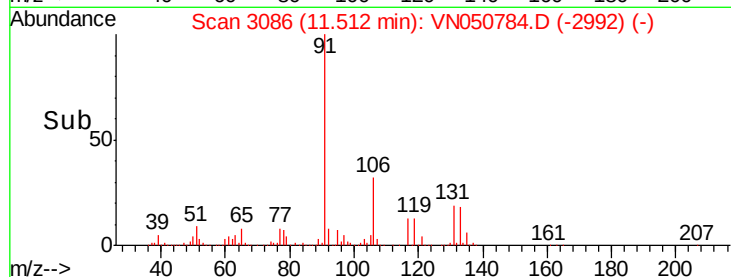
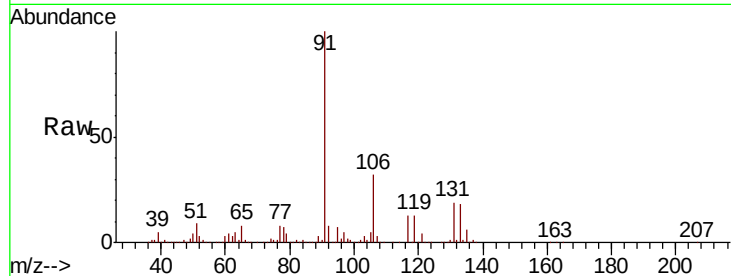
#67
Ethyl Benzene
Concen: 161.24 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050784.D
Acq: 21 Aug 2018 11:58

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 91 Resp: 6537245
Ion Ratio Lower Upper
91 100
106 31.7 25.0 37.4

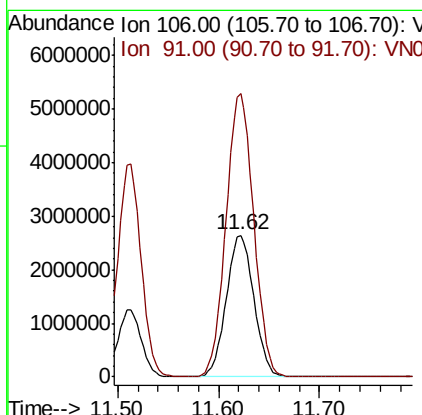
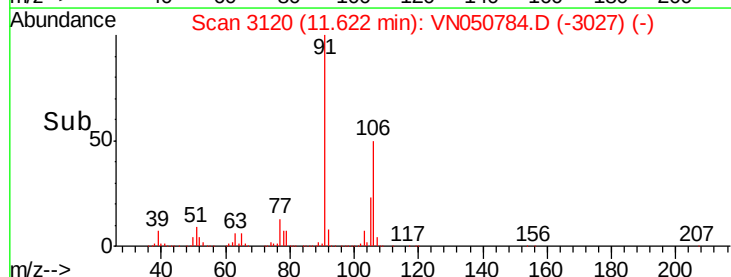
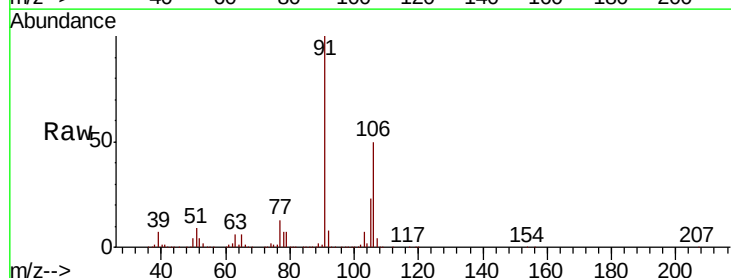
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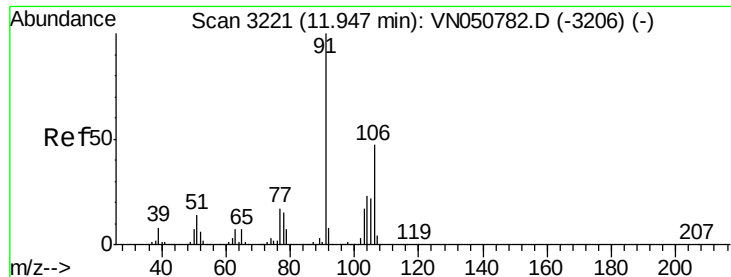
MMDadoda
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#68
m/p-Xylenes
Concen: 327.79 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050784.D
Acq: 21 Aug 2018 11:58

Tgt Ion: 106 Resp: 5044333
Ion Ratio Lower Upper
106 100
91 200.5 161.0 241.6





#69

o-Xylene

Concen: 165.32 ug/l

RT: 11.95 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN050784.D

Acq: 21 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:106 Resp: 2445851

Ion Ratio Lower Upper

106 100

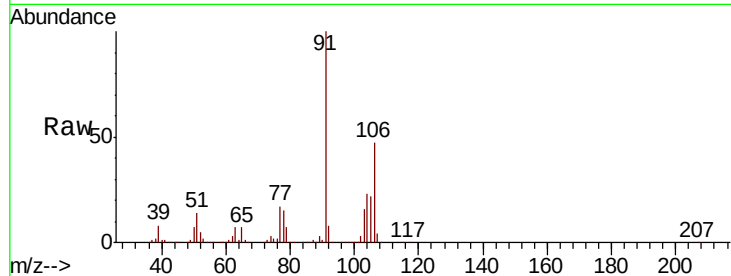
91 212.1 106.5 319.5

Manual Integrations

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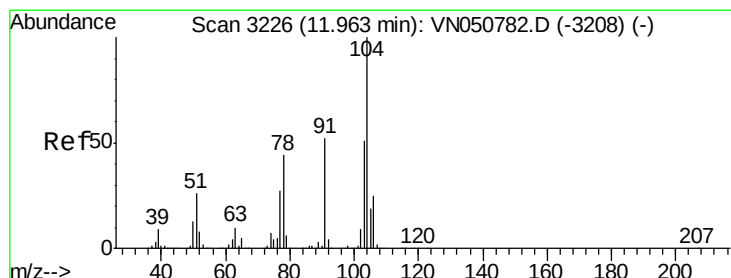
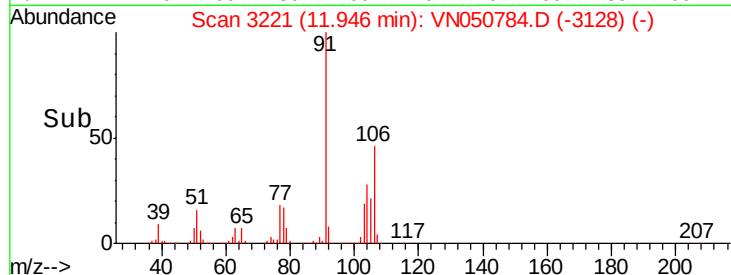
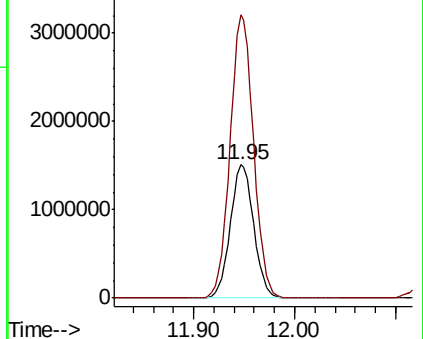
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 171.99 ug/l

RT: 11.96 min Scan# 3226

Delta R.T. -0.00 min

Lab File: VN050784.D

Acq: 21 Aug 2018 11:58

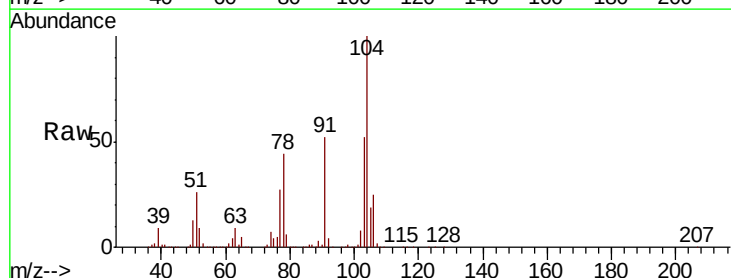
Tgt Ion:104 Resp: 3978019

Ion Ratio Lower Upper

104 100

78 48.3 38.2 57.4

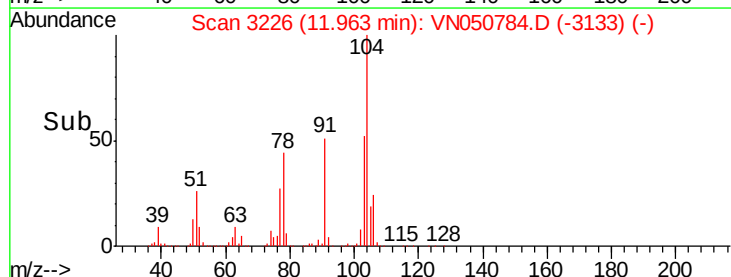
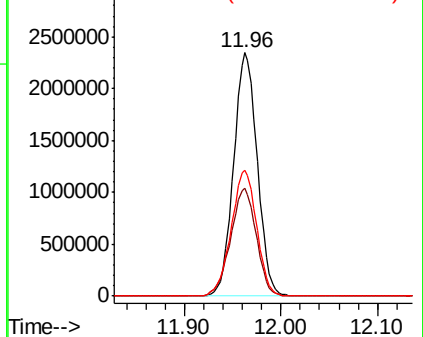
103 55.7 44.4 66.6

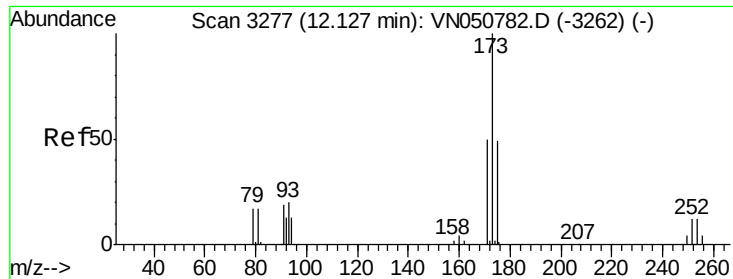


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





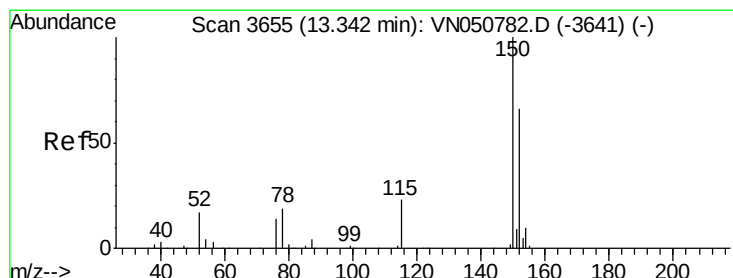
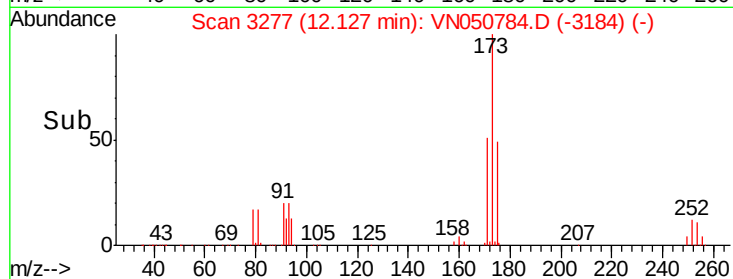
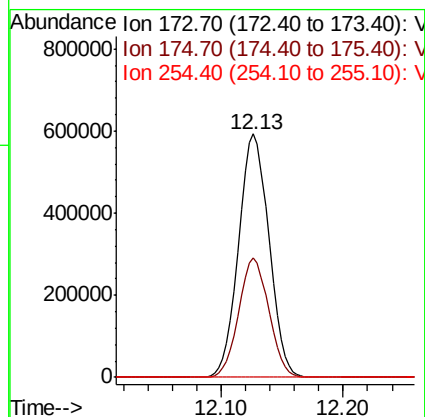
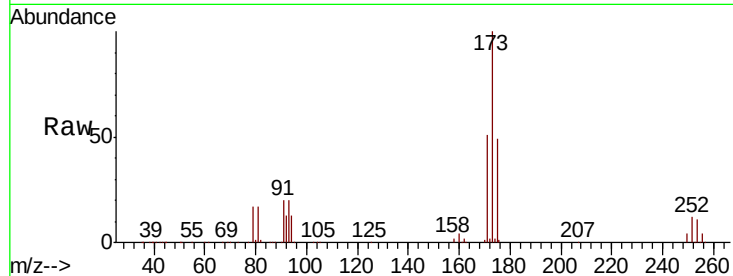
#71
Bromoform
Concen: 162.74 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050784.D
Acq: 21 Aug 2018 11:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.4	73.4
254	0.2	0.1	0.1#

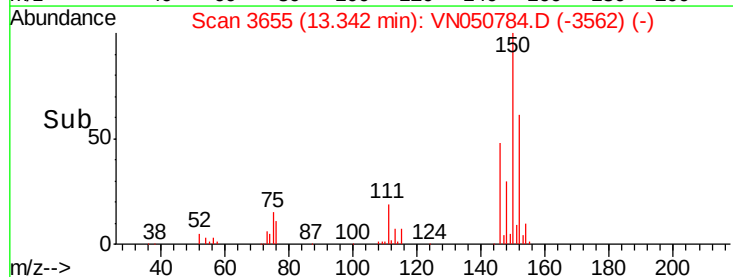
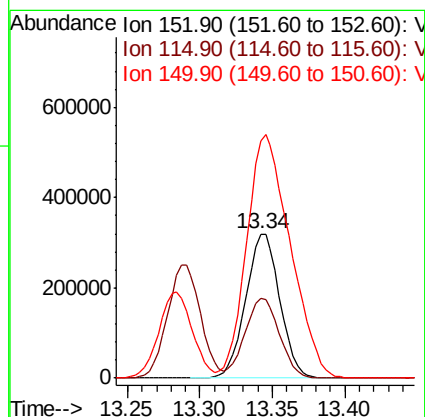
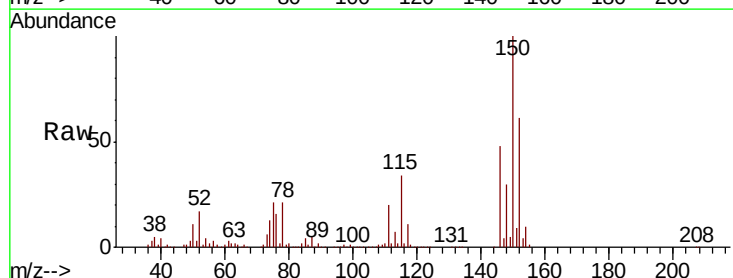
Manual Integrations
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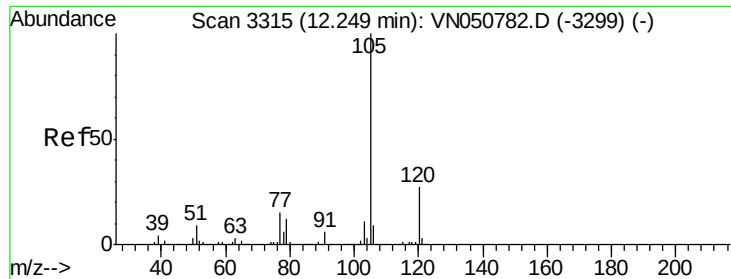
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3655
Delta R.T. -0.00 min
Lab File: VN050784.D
Acq: 21 Aug 2018 11:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	27.8	83.4
150	215.7	0.0	351.4





#73

Isopropylbenzene

Concen: 149.14 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050784.D

Acq: 21 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 6442458

Ion Ratio Lower Upper

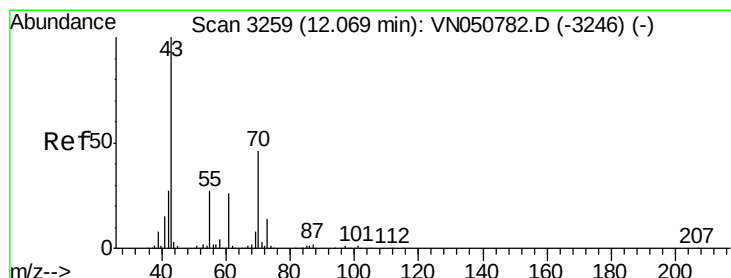
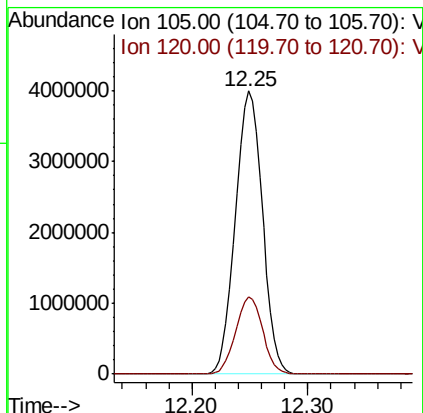
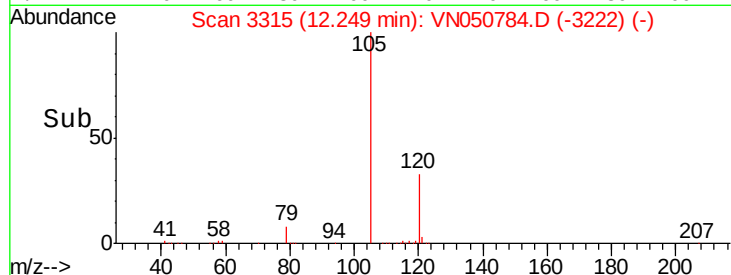
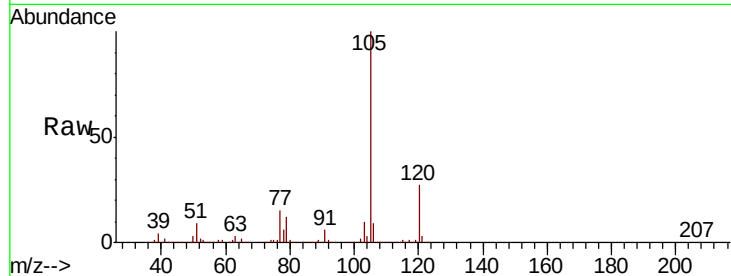
105 100

120 27.1 13.5 40.4

Manual Integrations
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#74

N-ethyl acetate

Concen: 159.69 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050784.D

Acq: 21 Aug 2018 11:58

Tgt Ion: 43 Resp: 1733290

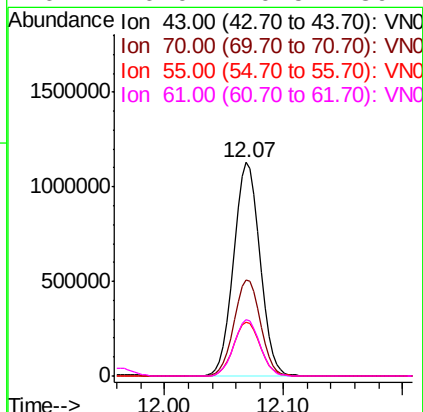
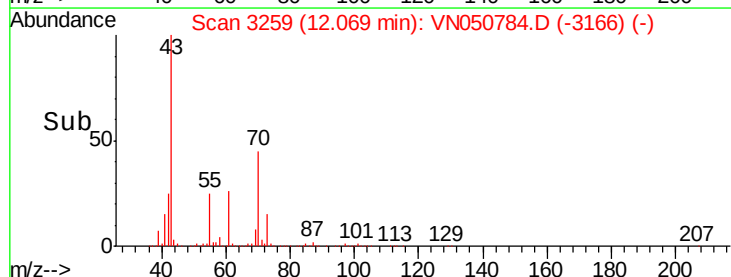
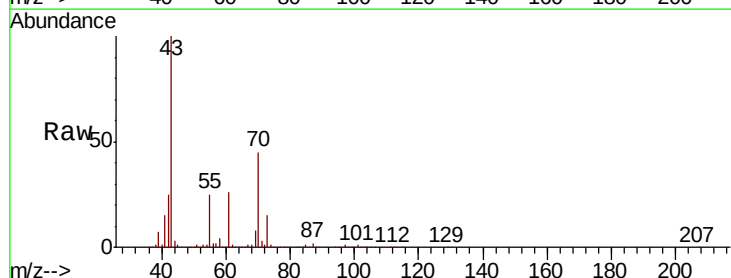
Ion Ratio Lower Upper

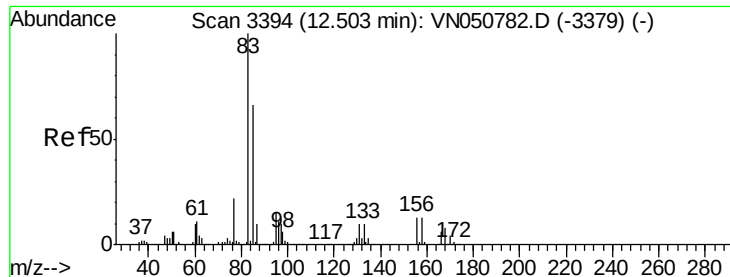
43 100

70 45.1 36.2 54.2

55 25.8 21.8 32.8

61 26.0 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 129.52 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050784.D

Acq: 21 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1507594

Ion Ratio Lower Upper

83 100

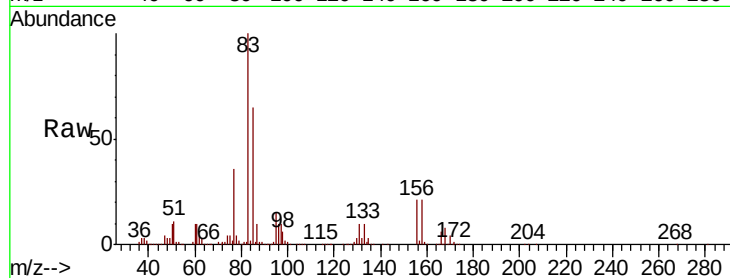
131 10.7 5.3 15.9

85 64.7 31.9 95.7

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN050782.D (-3379) (-)

Ion 130.80 (130.50 to 131.50): VN050782.D (-3379) (-)

Ion 84.90 (84.60 to 85.60): VN050782.D (-3379) (-)

1200000

1000000

800000

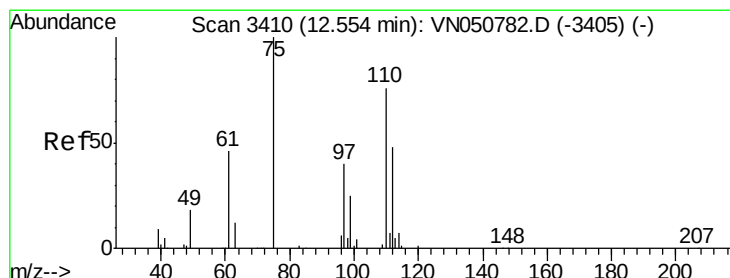
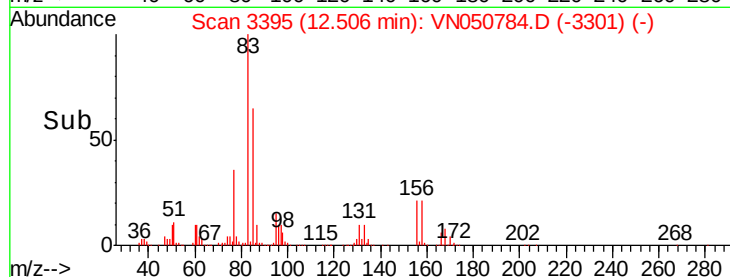
600000

400000

200000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 138.99 ug/l m

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050784.D

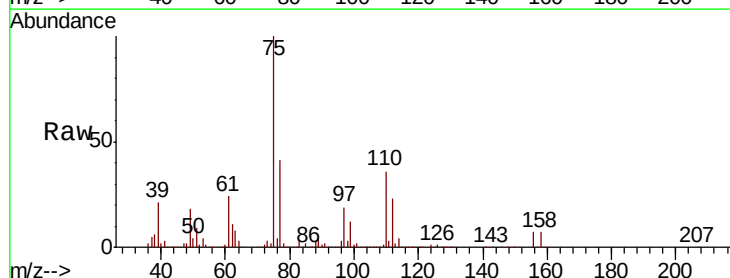
Acq: 21 Aug 2018 11:58

Tgt Ion: 75 Resp: 1229455

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN050782.D (-3405) (-)

Ion 77.00 (76.70 to 77.70): VN050782.D (-3405) (-)

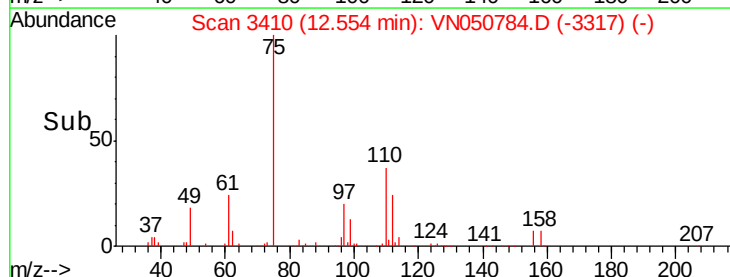
1500000

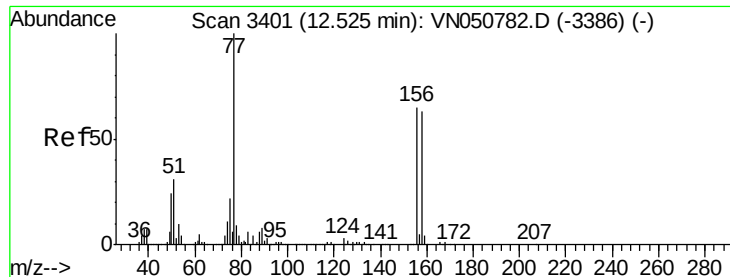
1000000

500000

0

Time-->





#77

Bromobenzene

Concen: 143.74 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050784.D

Acq: 21 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 1687605

Ion Ratio Lower Upper

156 100

77 177.6 89.9 269.7

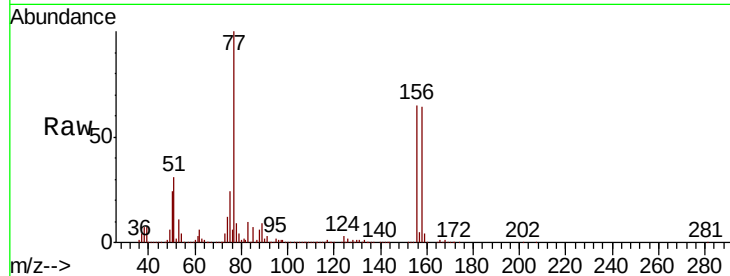
158 97.6 49.3 147.9

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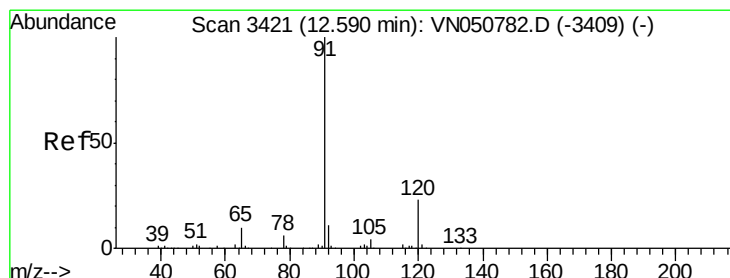
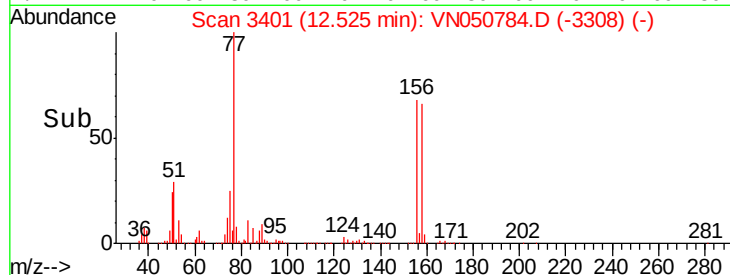
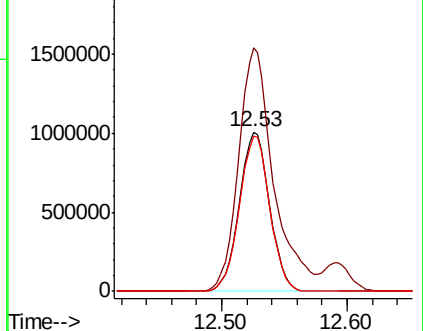
8/22/2018 11:19:01 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 154.64 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050784.D

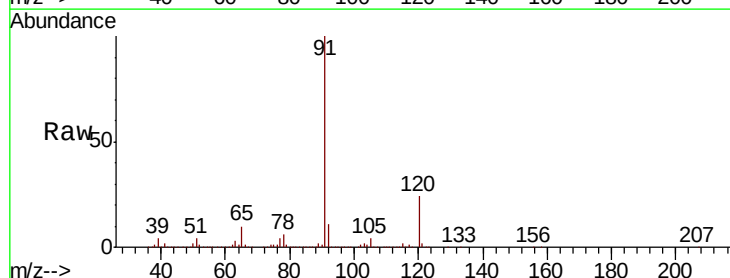
Acq: 21 Aug 2018 11:58

Tgt Ion: 91 Resp: 7462704

Ion Ratio Lower Upper

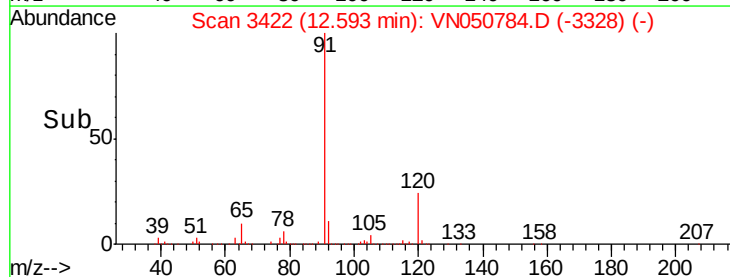
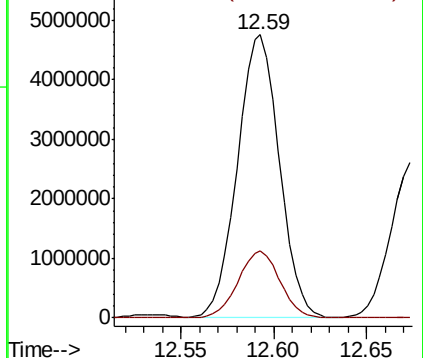
91 100

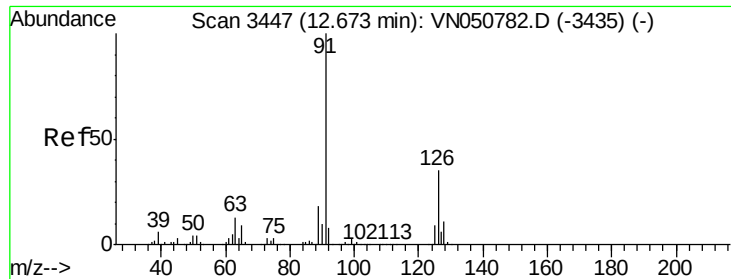
120 23.6 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 145.55 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050784.D

Acq: 21 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 4374986

Ion Ratio Lower Upper

91 100

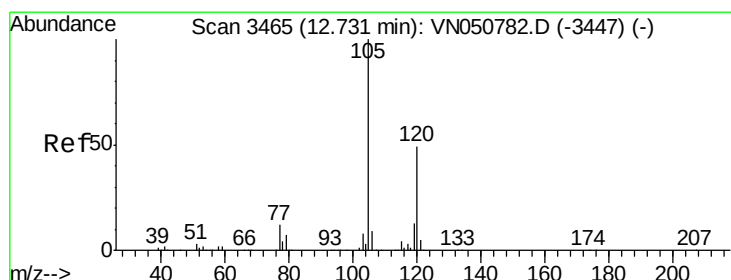
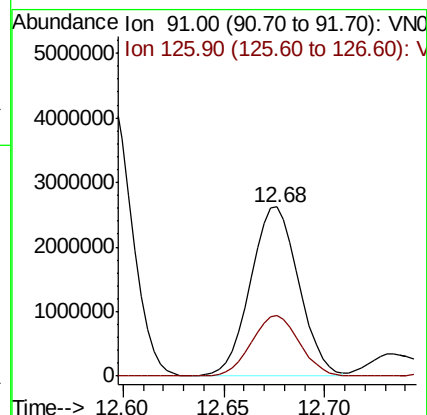
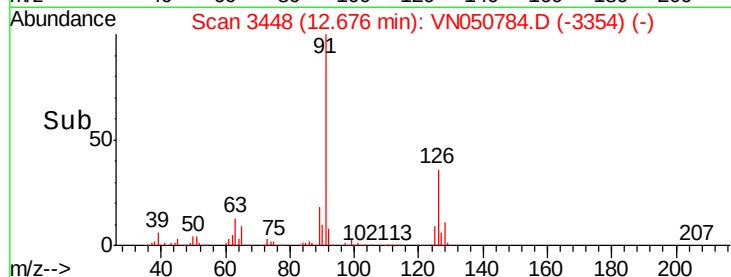
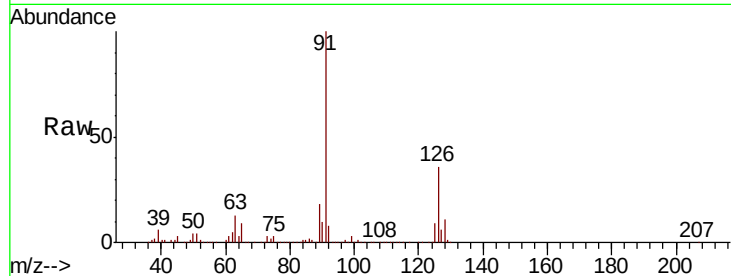
126 35.7 17.8 53.3

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#80

1,3,5-Trimethylbenzene

Concen: 153.81 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050784.D

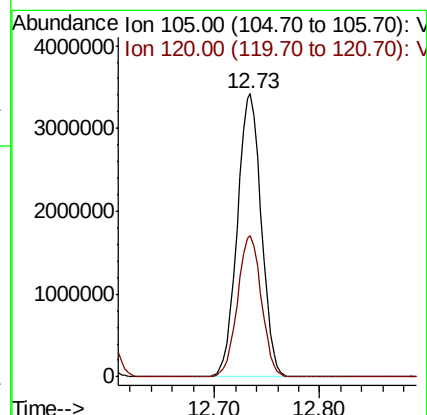
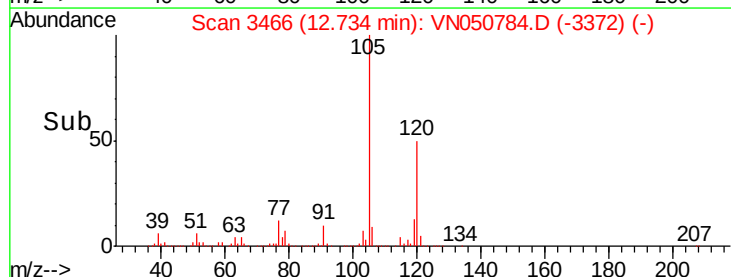
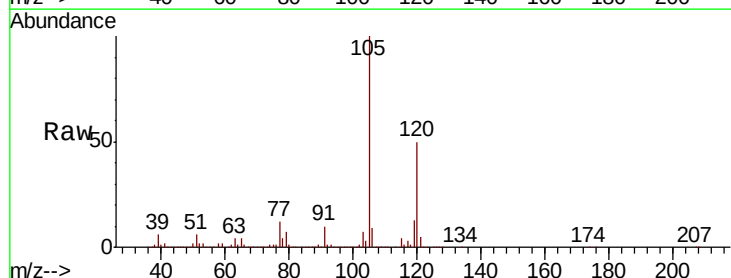
Acq: 21 Aug 2018 11:58

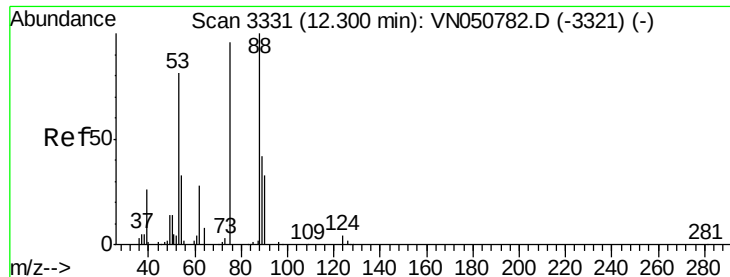
Tgt Ion: 105 Resp: 5361429

Ion Ratio Lower Upper

105 100

120 49.8 24.6 74.0





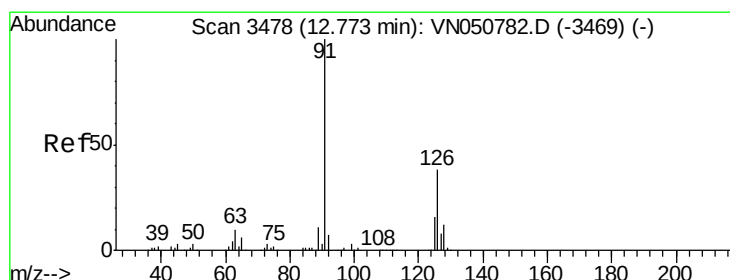
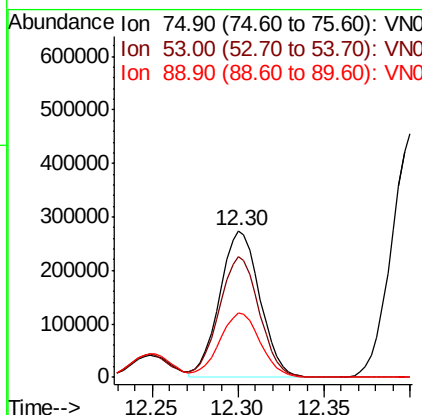
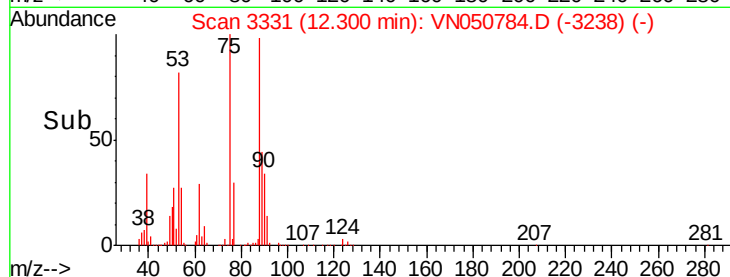
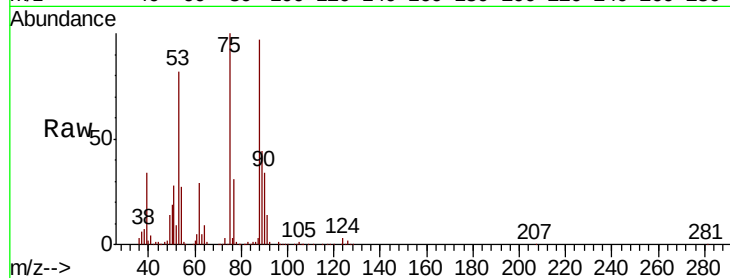
#81
trans-1,4-Dichloro-2-butene
Concen: 165.17 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. -0.00 min
Lab File: VN050784.D
Acq: 21 Aug 2018 11:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	82.8	68.9	103.3
89	44.6	36.1	54.1

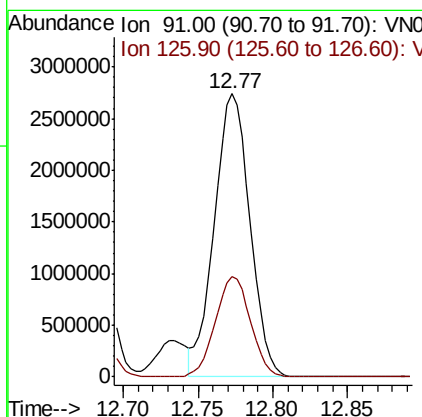
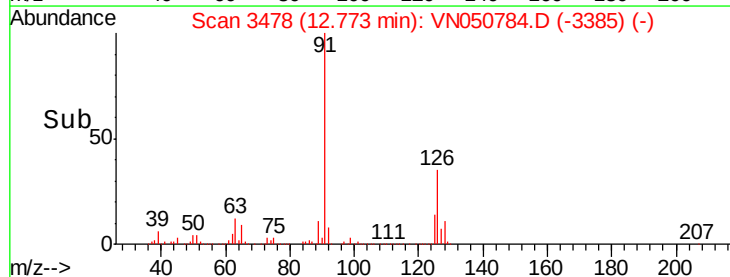
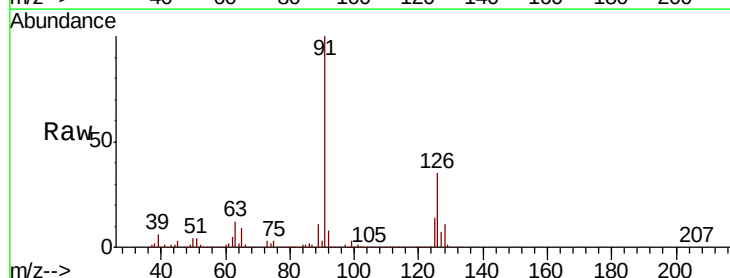
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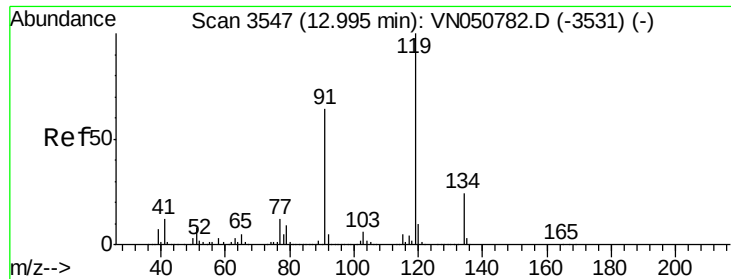
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#82
4-Chlorotoluene
Concen: 152.76 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. -0.00 min
Lab File: VN050784.D
Acq: 21 Aug 2018 11:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.5	52.5





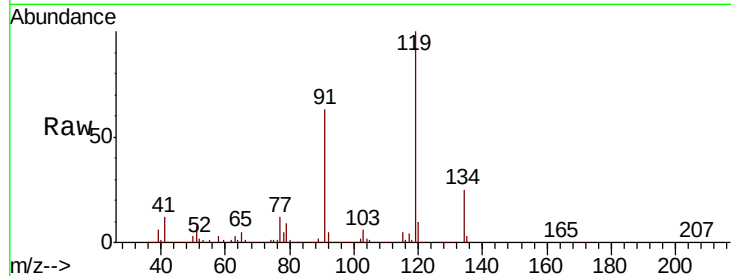
#83
 tert-Butylbenzene
 Concen: 155.75 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050784.D
 Acq: 21 Aug 2018 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

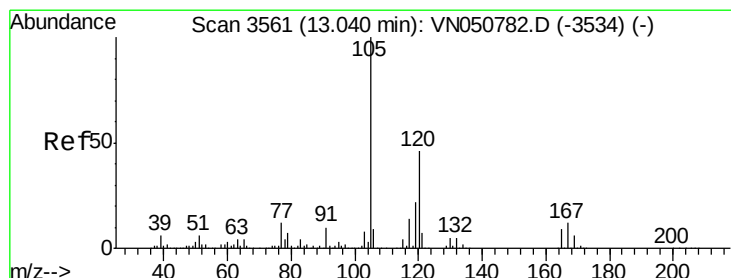
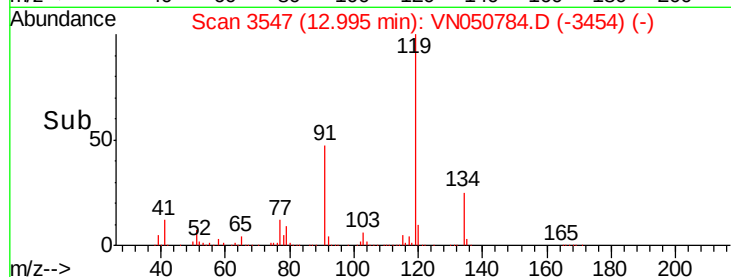
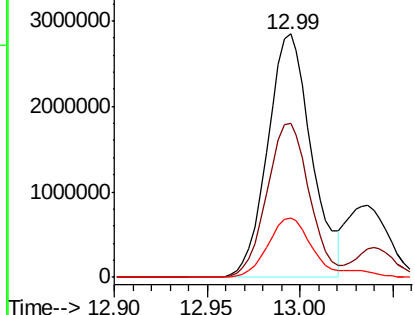
Tot Ion:119 Resp: 4701609
 Ion Ratio Lower Upper
 119 100
 91 62.0 31.6 94.7
 134 26.1 13.4 40.1

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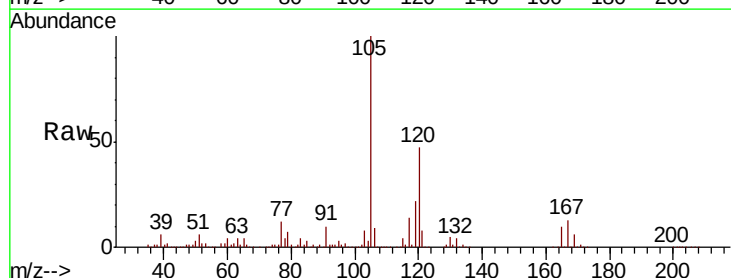


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

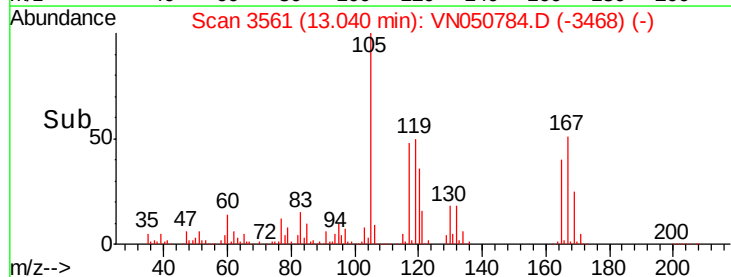
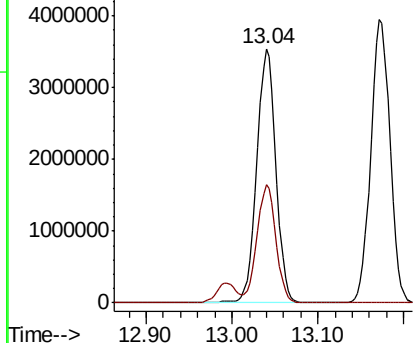


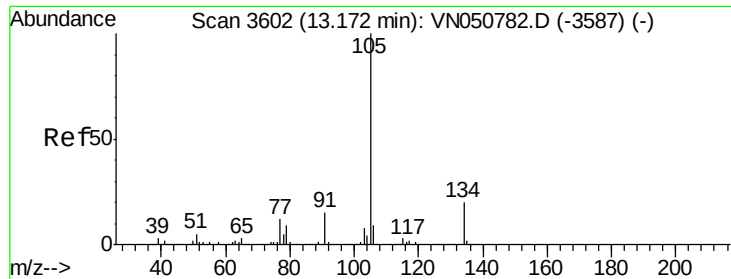
#84
 1,2,4-Trimethylbenzene
 Concen: 156.44 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050784.D
 Acq: 21 Aug 2018 11:58

Tgt Ion:105 Resp: 5484955
 Ion Ratio Lower Upper
 105 100
 120 46.5 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 156.10 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050784.D

Acq: 21 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 6174842

Ion Ratio Lower Upper

105 100

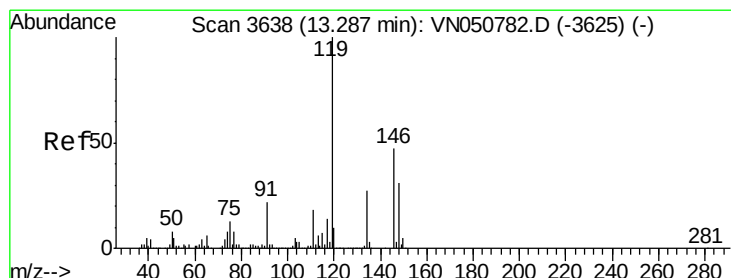
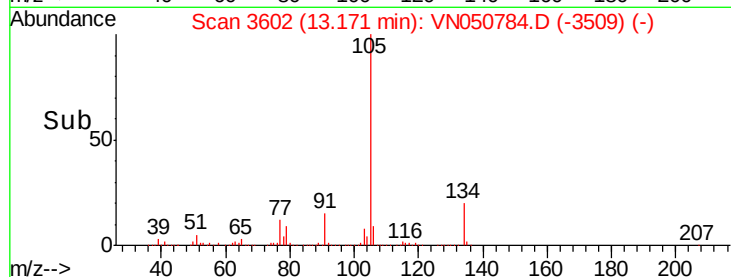
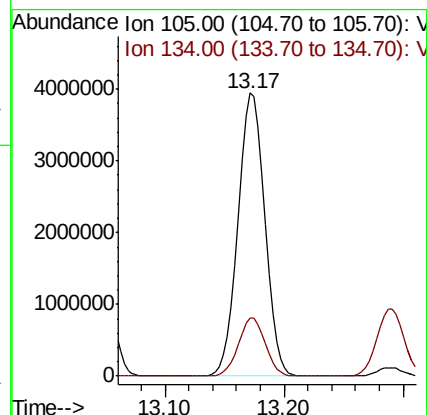
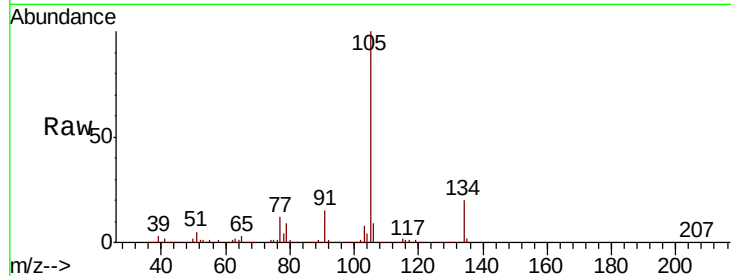
134 20.5 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 162.50 ug/l

RT: 13.29 min Scan# 3638

Delta R.T. -0.00 min

Lab File: VN050784.D

Acq: 21 Aug 2018 11:58

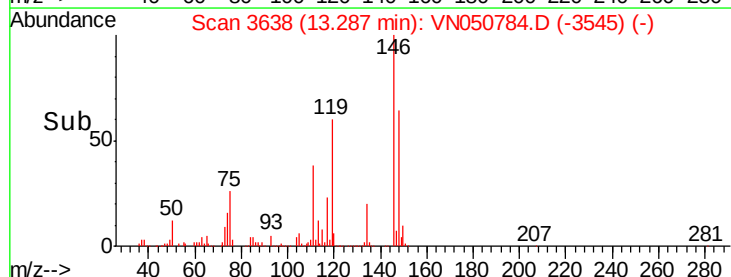
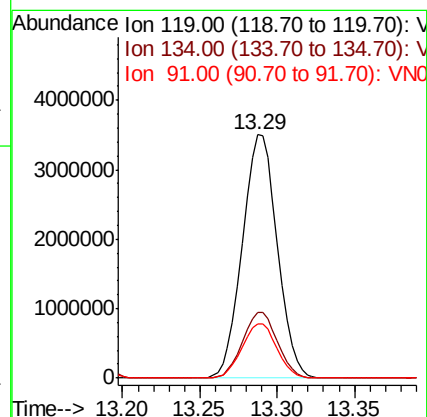
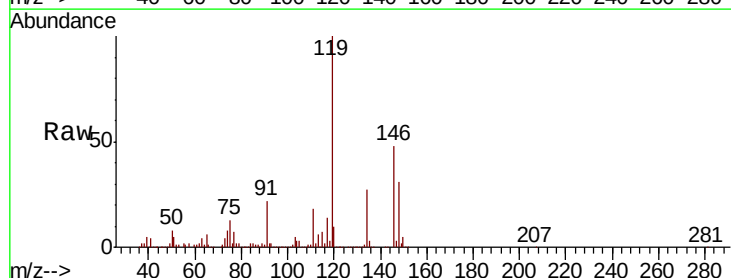
Tgt Ion:119 Resp: 5477278

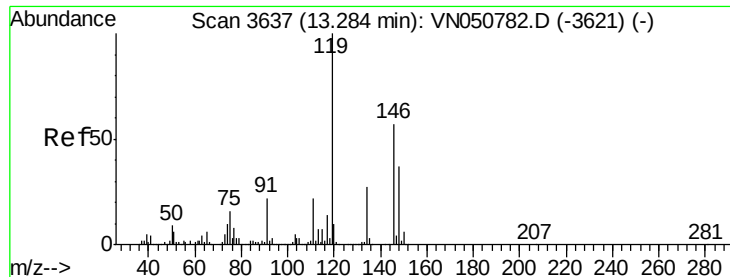
Ion Ratio Lower Upper

119 100

134 27.0 13.7 41.0

91 22.3 11.2 33.5





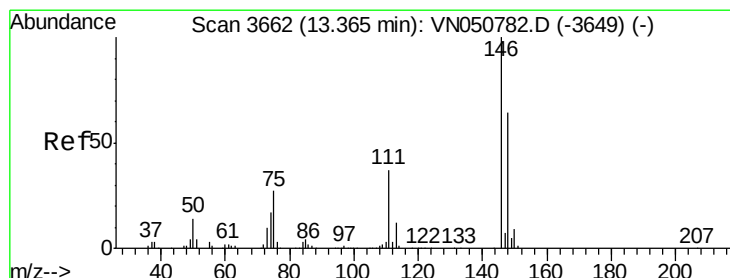
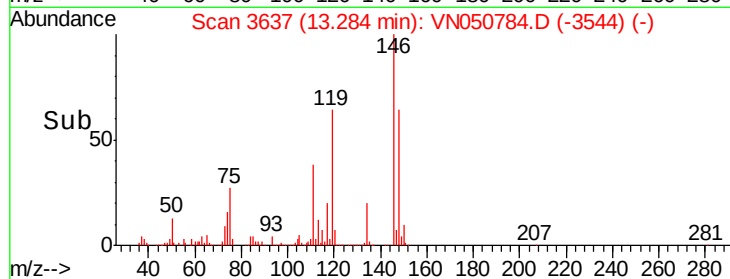
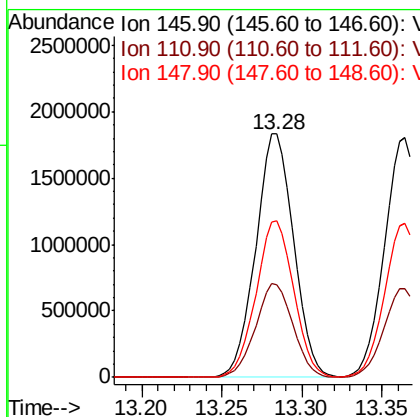
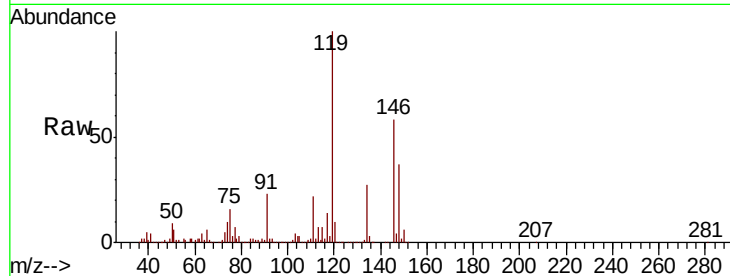
#87
 1,3-Dichlorobenzene
 Concen: 149.99 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050784.D
 Acq: 21 Aug 2018 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.3
148	63.9	32.2	96.6

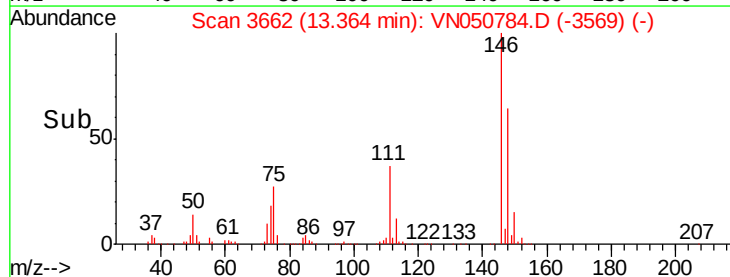
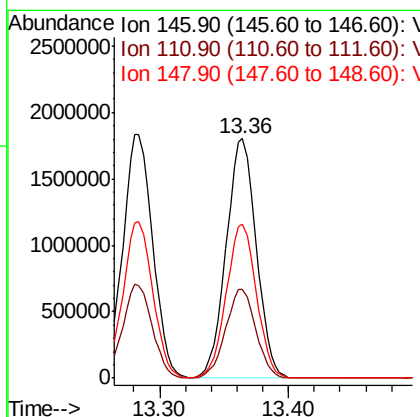
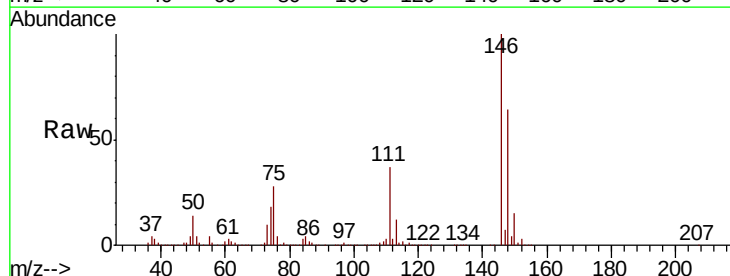
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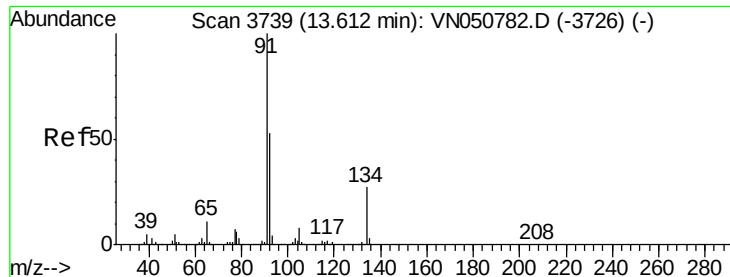
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#88
 1,4-Dichlorobenzene
 Concen: 148.71 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050784.D
 Acq: 21 Aug 2018 11:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.8	56.3
148	64.4	32.2	96.6





#89

n-Butylbenzene

Concen: 172.66 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. 0.00 min

Lab File: VN050784.D

Acq: 21 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 4654487

Ion Ratio Lower Upper

91 100

92 52.4 26.1 78.2

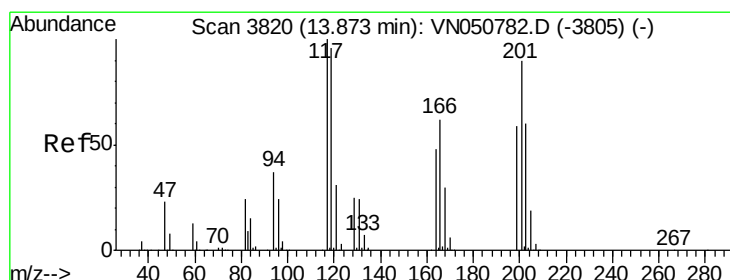
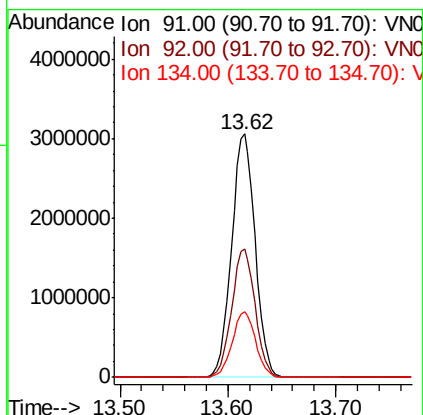
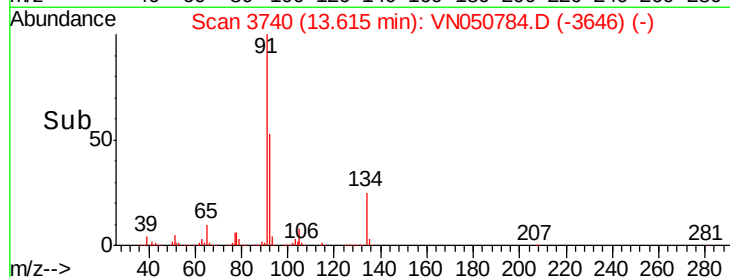
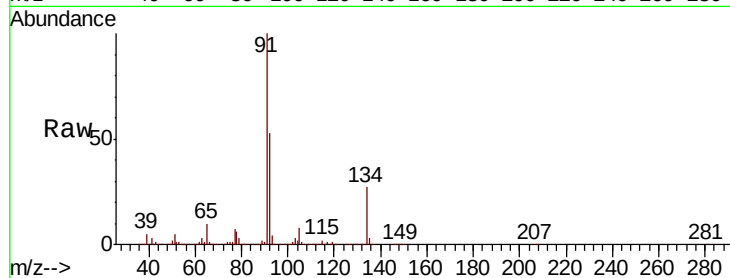
134 26.9 13.2 39.6

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#90

Hexachloroethane

Concen: 140.07 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN050784.D

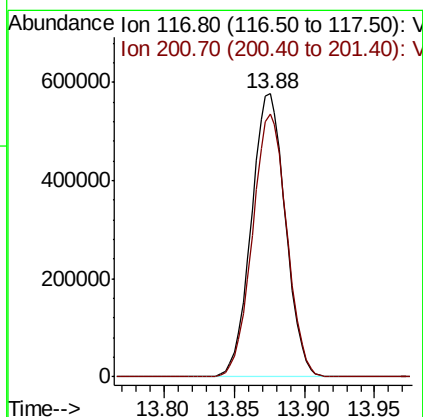
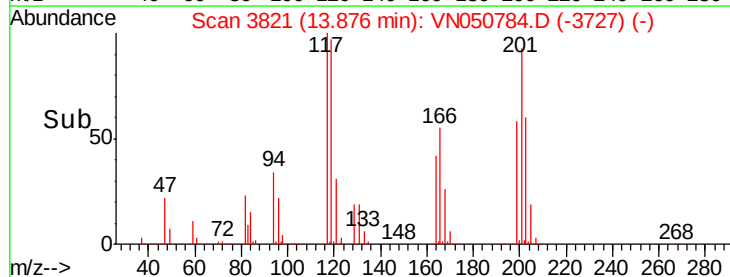
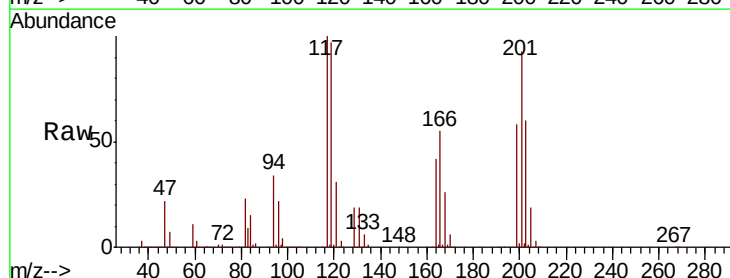
Acq: 21 Aug 2018 11:58

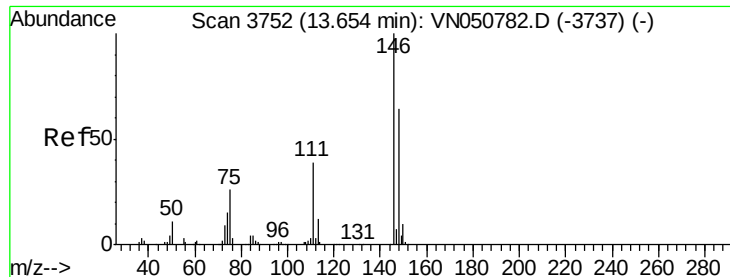
Tgt Ion: 117 Resp: 977114

Ion Ratio Lower Upper

117 100

201 93.1 46.0 137.8





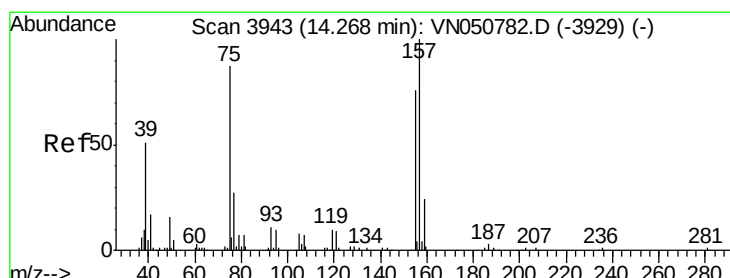
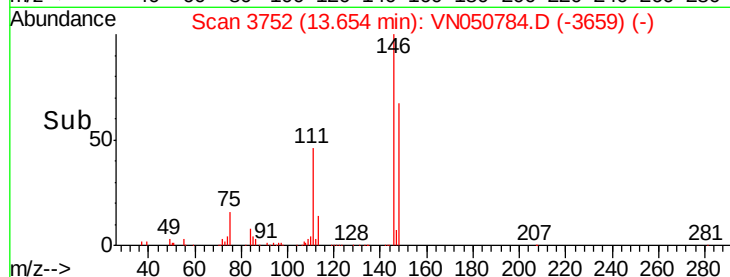
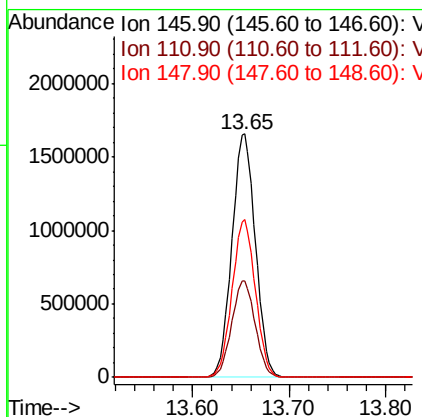
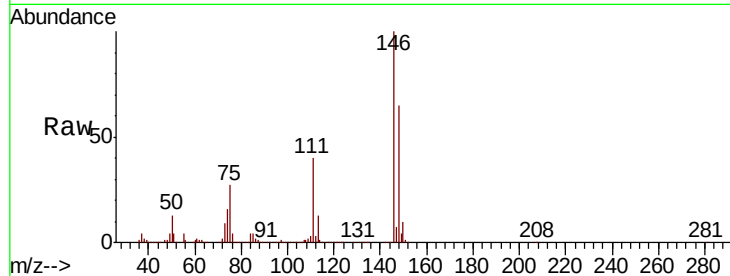
#91
 1,2-Dichlorobenzene
 Concen: 144.77 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050784.D
 Acq: 21 Aug 2018 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.8	59.3
148	64.4	32.3	96.8

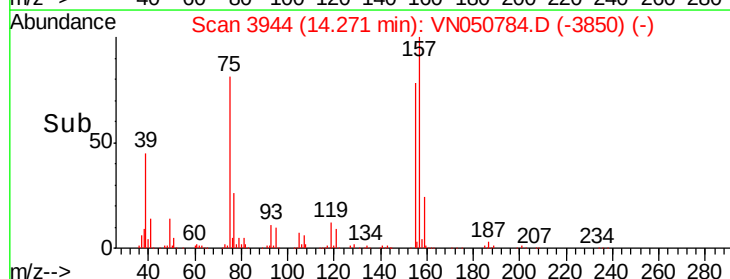
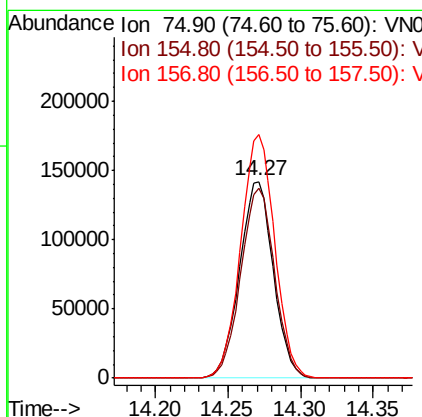
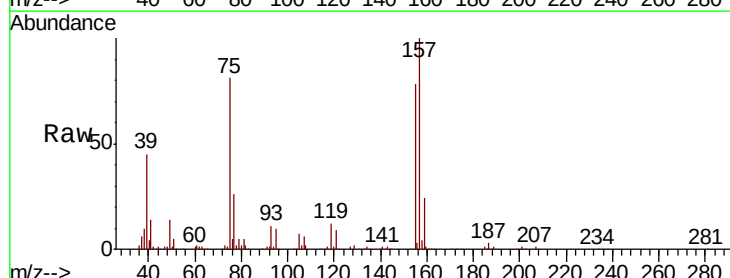
Manual Integrations
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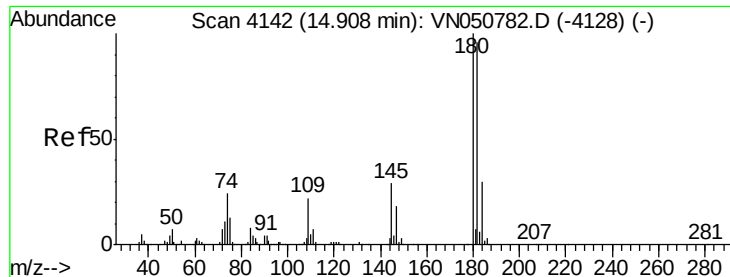
MMDadoda
 8/22/2018 11:19:01 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 148.76 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050784.D
 Acq: 21 Aug 2018 11:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.5	46.4	139.1
157	124.2	60.7	182.0





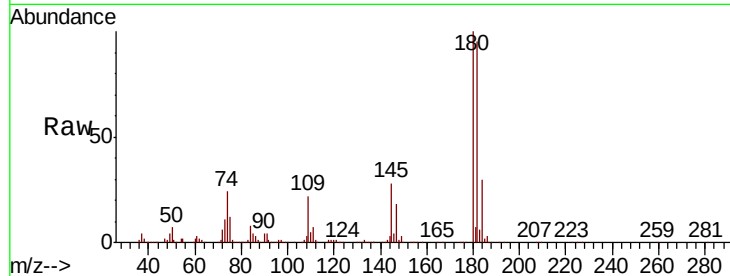
#93
 1,2,4-Trichlorobenzene
 Concen: 193.73 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.00 min
 Lab File: VN050784.D
 Acq: 21 Aug 2018 11:58

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

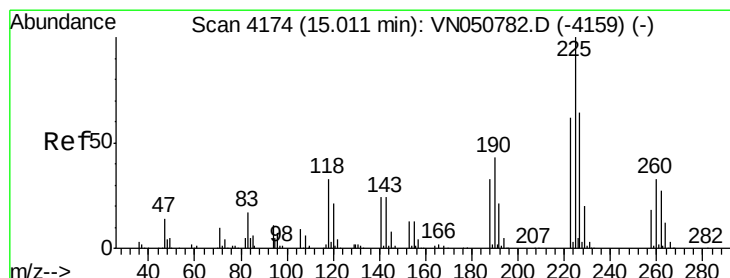
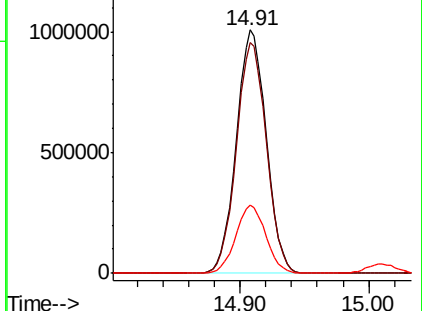
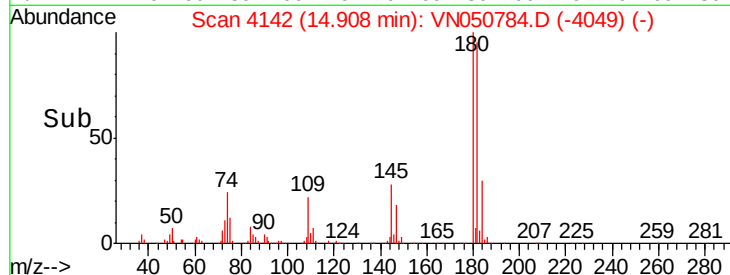
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.2	144.6
145	28.1	14.1	42.2

Manual Integrations
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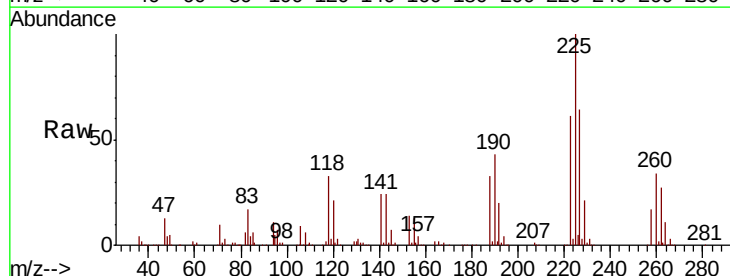


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

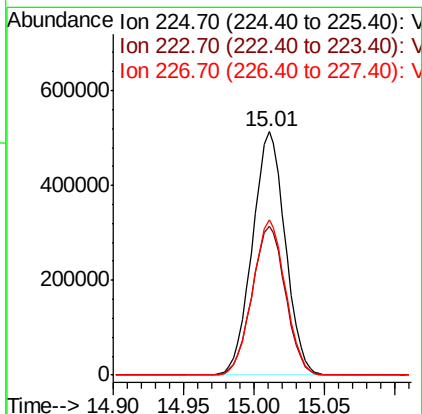
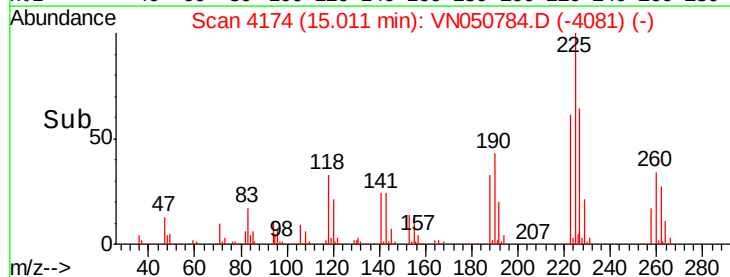


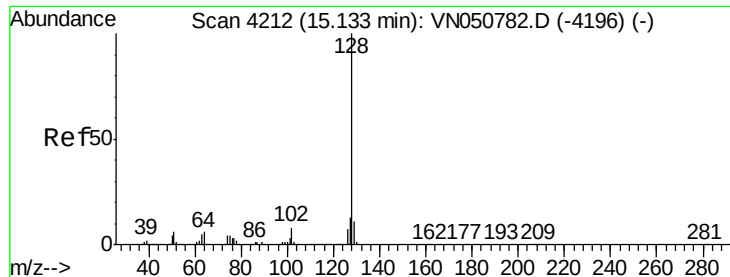
#94
 Hexachlorobutadiene
 Concen: 133.73 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050784.D
 Acq: 21 Aug 2018 11:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.3	93.8
227	63.9	32.0	96.2



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





#95

Naphthalene

Concen: 210.74 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN050784.D

Acq: 21 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:128 Resp: 3478702

Ion Ratio Lower Upper

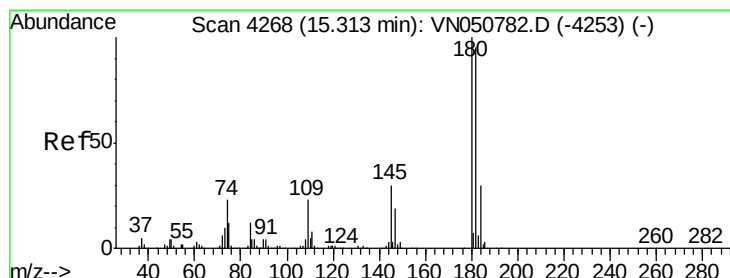
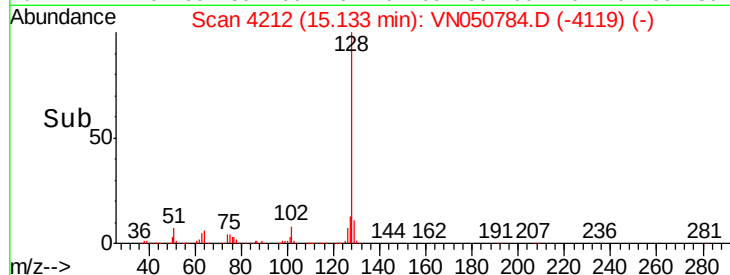
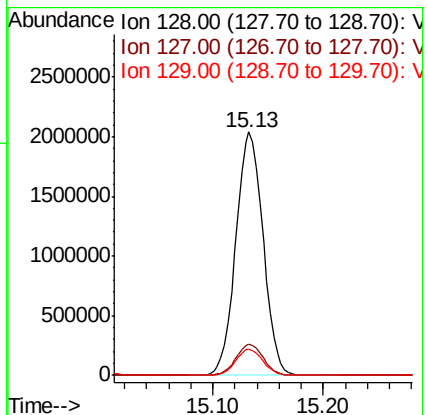
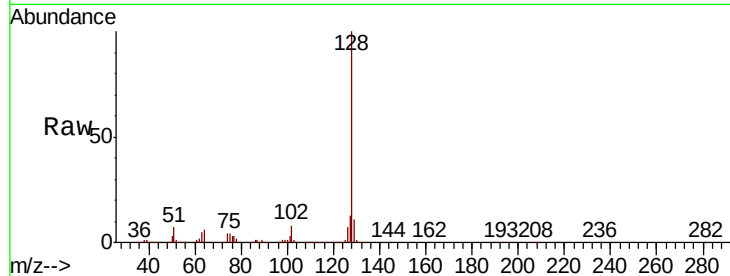
128 100

127 12.9 10.5 15.7

129 10.8 8.7 13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 183.74 ug/l

RT: 15.31 min Scan# 4268

Delta R.T. -0.00 min

Lab File: VN050784.D

Acq: 21 Aug 2018 11:58

Tgt Ion:180 Resp: 1496983

Ion Ratio Lower Upper

180 100

182 95.6 48.0 144.2

145 30.0 15.2 45.6

