

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061319\
 Data File : VN056297.D
 Acq On : 13 Jun 2019 21:28
 Operator : JC/SP
 Sample : K3345-10MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5_061219MSD

Manual Integrations
 APPROVED

MMDadoda
 6/14/2019 9:36:51 AM

Quant Time: Jun 14 02:34:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	318967	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	489473	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	437900	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	187702	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	175470	55.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.80%	
35) Dibromofluoromethane	7.59	113	158663	52.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.66%	
50) Toluene-d8	10.09	98	567872	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
62) 4-Bromofluorobenzene	12.40	95	191928	48.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	159937	45.673	ug/l	99
3) Chloromethane	2.06	50	179404	51.887	ug/l	100
4) Vinyl Chloride	2.18	62	176929	51.013	ug/l	100
5) Bromomethane	2.52	94	83845	38.270	ug/l	99
6) Chloroethane	2.67	64	94873	47.179	ug/l	98
7) Trichlorofluoromethane	3.00	101	225443	50.917	ug/l	97
8) Diethyl Ether	3.40	74	93263	51.220	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	139933	52.027	ug/l	98
10) Methyl Iodide	3.94	142	150311	35.167	ug/l	98
11) Tert butyl alcohol	4.82	59	138446	251.200	ug/l #	90
12) 1,1-Dichloroethene	3.72	96	138413	51.691	ug/l	97
13) Acrolein	3.60	56	35039	220.436	ug/l	96
14) Allyl chloride	4.31	41	229186	54.204	ug/l	97
15) Acrylonitrile	4.99	53	426432	317.846	ug/l	99
16) Acetone	3.82	43	346863	228.996	ug/l	99
17) Carbon Disulfide	4.03	76	301312	46.997	ug/l	99
18) Methyl Acetate	4.33	43	172389	58.032	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	469146	54.966	ug/l	94
20) Methylene Chloride	4.54	84	165953	53.179	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	143624	50.060	ug/l	97
22) Diisopropyl ether	5.96	45	488243	55.861	ug/l	99
23) Vinyl Acetate	5.90	43	1650396	239.778	ug/l	99
24) 1,1-Dichloroethane	5.84	63	282324	55.997	ug/l	99
25) 2-Butanone	6.84	43	555759	290.397	ug/l	100
26) 2,2-Dichloropropane	6.82	77	138986	35.328	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	178514	52.933	ug/l	97
28) Bromochloromethane	7.19	49	135601	56.874	ug/l	97
29) Tetrahydrofuran	7.22	42	372985	315.290	ug/l	98
30) Chloroform	7.37	83	283471	55.891	ug/l	99
31) Cyclohexane	7.65	56	245695	48.890	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	228234	53.888	ug/l	98
36) 1,1-Dichloropropene	7.79	75	200730	47.693	ug/l	99
37) Ethyl Acetate	6.94	43	185046	49.414	ug/l	99
38) Carbon Tetrachloride	7.77	117	192954	49.727	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	236343	45.078	ug/l	100
40) Benzene	8.04	78	640183	50.081	ug/l	99
41) Methacrylonitrile	7.18	41	112147	65.090	ug/l	98
42) 1,2-Dichloroethane	8.12	62	216618	52.681	ug/l	99
43) Isopropyl Acetate	8.17	43	302048	49.775	ug/l #	92
44) Trichloroethene	8.83	130	175700	47.833	ug/l	100
45) 1,2-Dichloropropane	9.12	63	174018	53.147	ug/l	100
46) Dibromomethane	9.21	93	115368	53.882	ug/l	96
47) Bromodichloromethane	9.40	83	212711	54.814	ug/l	98
48) Methyl methacrylate	9.20	41	169411	57.064	ug/l	99
49) 1,4-Dioxane	9.21	88	73131	1141.017	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1100220	289.926	ug/l	99
52) Toluene	10.16	92	395529	49.725	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	207254	45.766	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	235557	50.499	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	167816	53.260	ug/l	97
56) Ethyl methacrylate	10.43	69	252820	55.000	ug/l	99
57) 1,3-Dichloropropane	10.71	76	279641	54.594	ug/l	100
59) 2-Hexanone	10.75	43	765926	278.477	ug/l	99
60) Dibromochloromethane	10.90	129	174245	50.134	ug/l	99
61) 1,2-Dibromoethane	11.00	107	172893	53.675	ug/l	100
64) Tetrachloroethene	10.63	164	156931	41.401	ug/l	99
65) Chlorobenzene	11.43	112	432645	49.643	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	163001	54.167	ug/l	99
67) Ethyl Benzene	11.51	91	1074635	70.914	ug/l	100
68) m/p-Xylenes	11.62	106	682954	117.974	ug/l	100
69) o-Xylene	11.95	106	275778	48.429	ug/l	98
70) Stvrene	11.96	104	466903	51.605	ug/l	100
71) Bromoform	12.13	173	128189	50.699	ug/l #	99
73) Isopropylbenzene	12.25	105	807609	60.889	ug/l	100
74) N-amyl acetate	12.07	43	230869	46.142	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	239417	54.945	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	207444m	60.063	ug/l	
77) Bromobenzene	12.53	156	195441	48.633	ug/l	99
78) n-propylbenzene	12.59	91	864907	54.467	ug/l	99
79) 2-Chlorotoluene	12.67	91	491050	56.032	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	628529	49.803	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	52202	50.334	ug/l	92
82) 4-Chlorotoluene	12.77	91	465147	50.069	ug/l	100
83) tert-Butylbenzene	12.99	119	528726	54.226	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	763277	63.777	ug/l	100
85) sec-Butylbenzene	13.17	105	688190	48.937	ug/l	100
86) p-Isopropyltoluene	13.29	119	607294	48.253	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	312533	50.249	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	301051	50.317	ug/l	99
89) n-Butylbenzene	13.61	91	449286	48.190	ug/l	100
90) Hexachloroethane	13.87	117	104552	55.085	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	318242	50.680	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	39775	63.820	ug/l	98
93) 1,2,4-Trichlorobenzene	14.91	180	144513	42.465	ug/l	99

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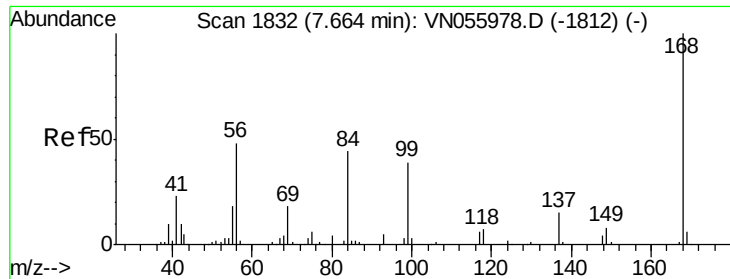
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	104883	48.642	ug/l	98
95) Naphthalene	15.13	128	481092	53.310	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	165924	47.229	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056297.D

Acq: 13 Jun 2019 21:28

Instrument :

MSVOA_N

ClientSampleId :

MW-5_061219MSD

Tot Ion:168 Resp: 318967

Ion Ratio Lower Upper

168 100

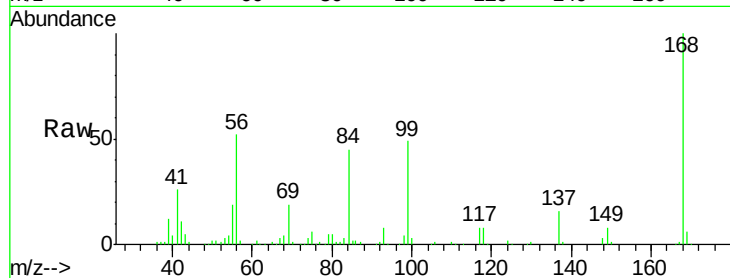
99 48.3 37.2 55.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

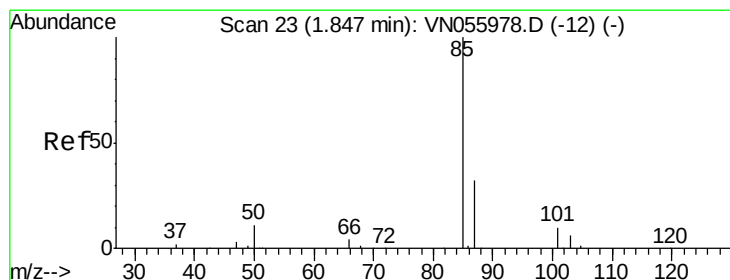
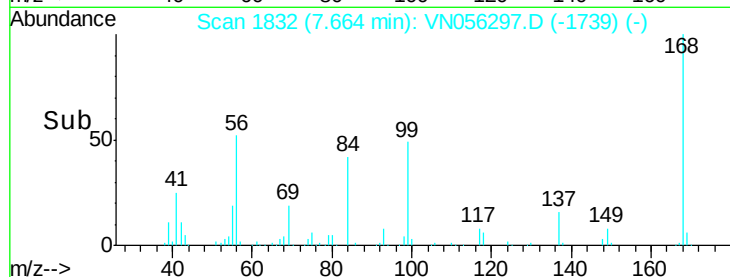
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.673 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056297.D

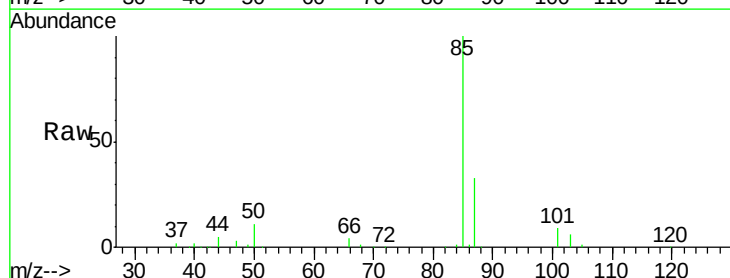
Acq: 13 Jun 2019 21:28

Tgt Ion: 85 Resp: 159937

Ion Ratio Lower Upper

85 100

87 32.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

120000

100000

80000

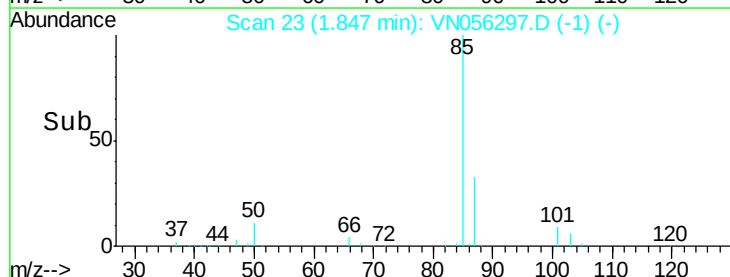
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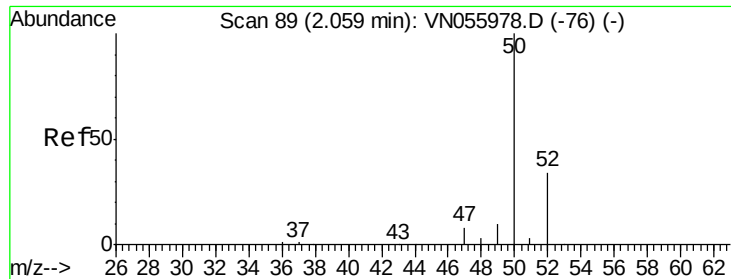
40000

20000

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Time-->





#3

Chloromethane

Concen: 51.887 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN056297.D

Acq: 13 Jun 2019 21:28

Instrument :

MSVOA_N

ClientSampleId :

MW-5_061219MSD

Tot Ion: 50 Resp: 179404

Ion Ratio Lower Upper

50 100

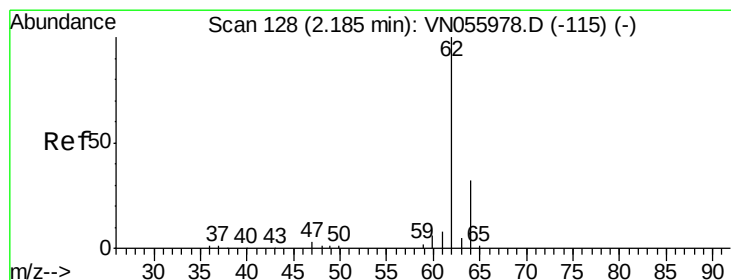
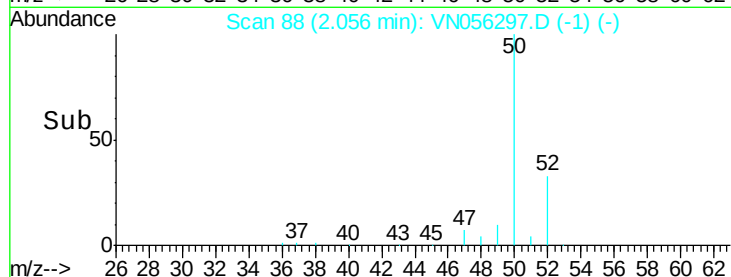
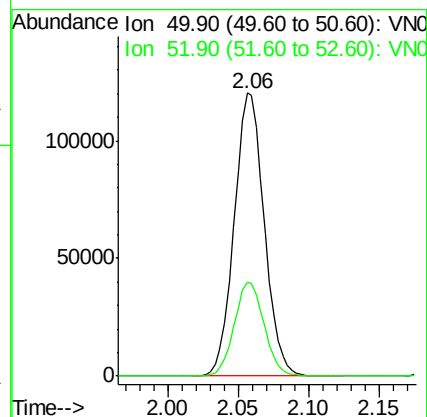
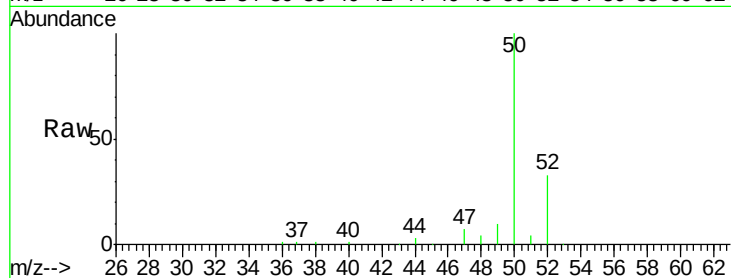
52 33.3 26.6 40.0

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#4

Vinyl Chloride

Concen: 51.013 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056297.D

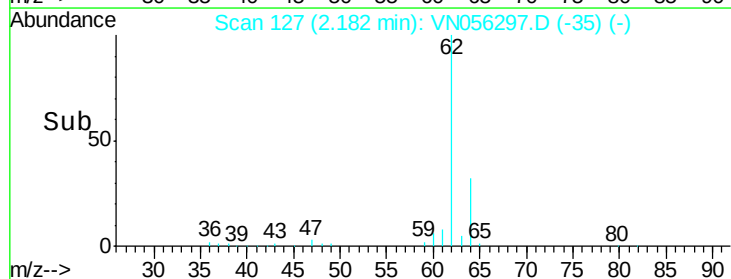
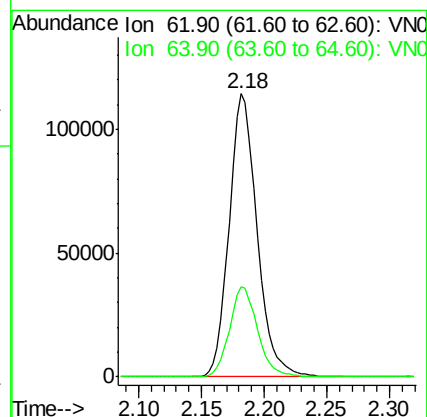
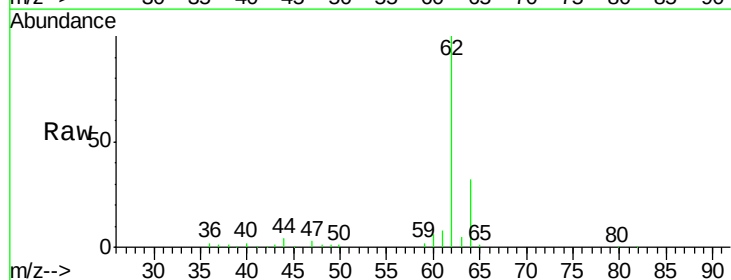
Acq: 13 Jun 2019 21:28

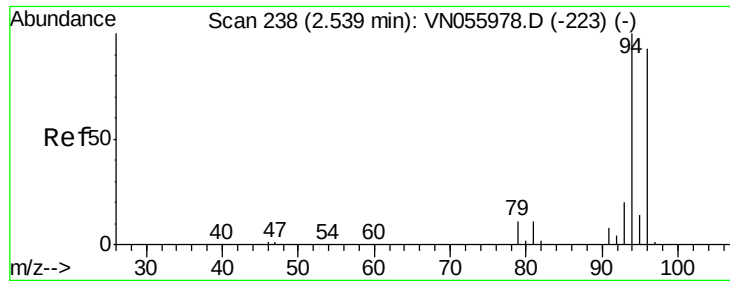
Tgt Ion: 62 Resp: 176929

Ion Ratio Lower Upper

62 100

64 31.8 25.6 38.4





#5

Bromomethane

Concen: 38.270 ug/l

RT: 2.52 min Scan# 232

Delta R.T. -0.02 min

Lab File: VN056297.D

Acq: 13 Jun 2019 21:28

Instrument :

MSVOA_N

ClientSampleId :

MW-5_061219MSD

Tot Ion: 94 Resp: 83845

Ion Ratio Lower Upper

94 100

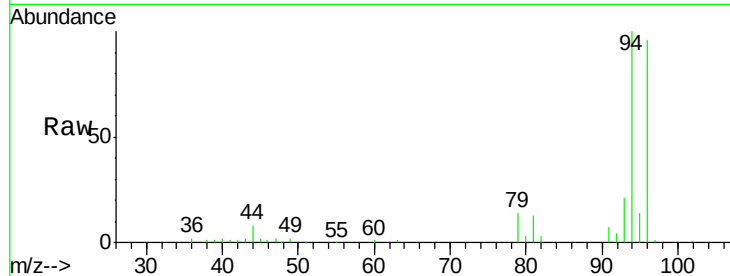
96 95.7 75.5 113.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

60000

50000

40000

30000

20000

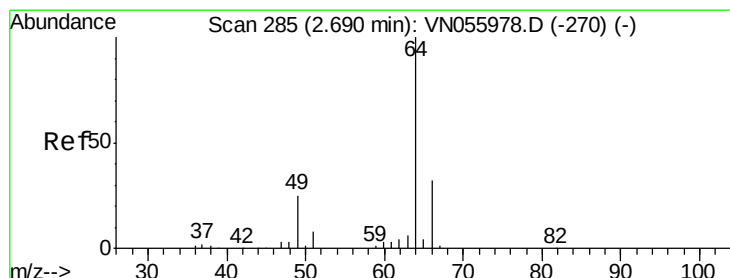
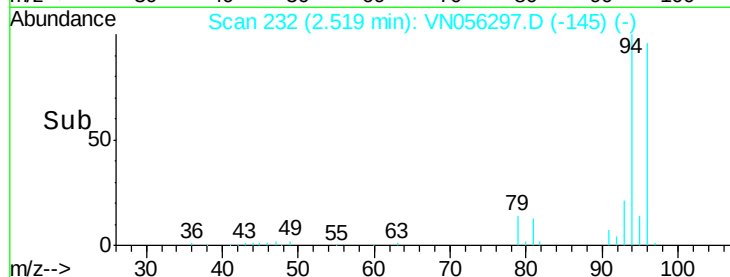
10000

0

Time-->

2.45 2.50 2.55 2.60

2.52



#6

Chloroethane

Concen: 47.179 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.02 min

Lab File: VN056297.D

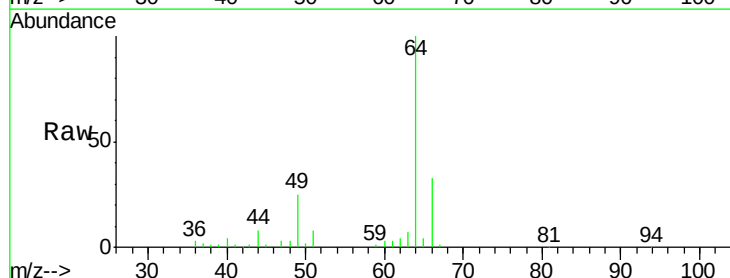
Acq: 13 Jun 2019 21:28

Tgt Ion: 64 Resp: 94873

Ion Ratio Lower Upper

64 100

66 32.6 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

50000

40000

30000

20000

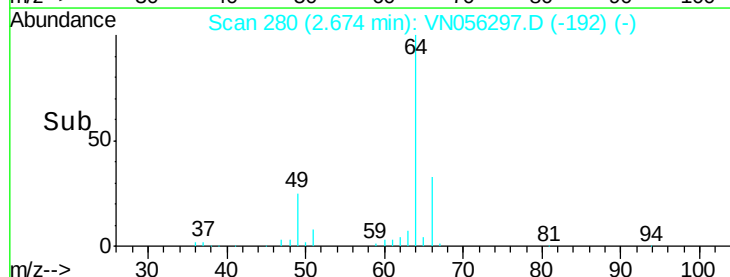
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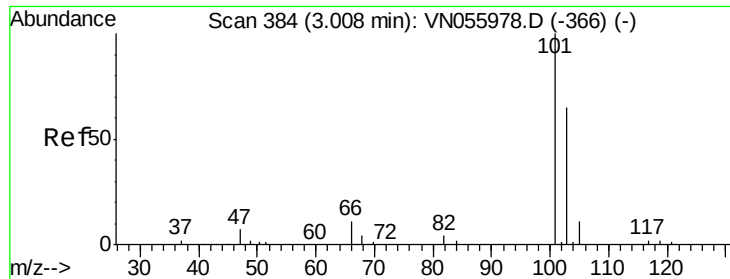
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Time-->

2.60 2.65 2.70

2.67





#7

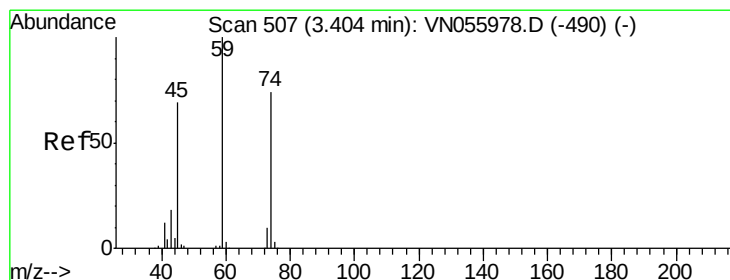
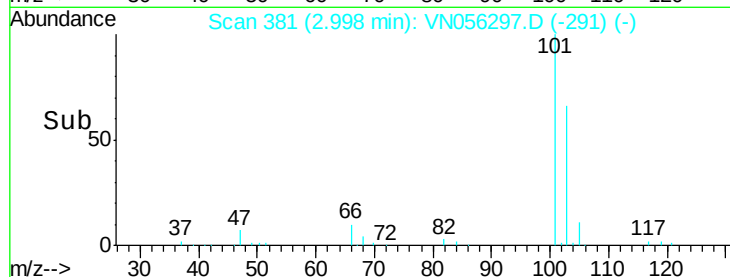
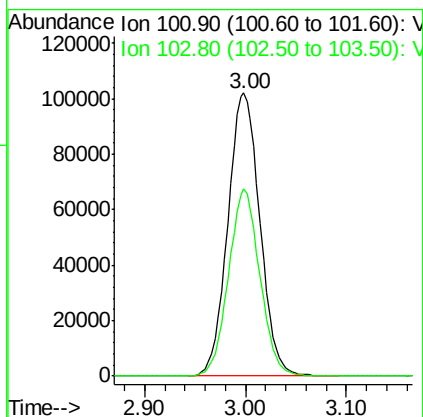
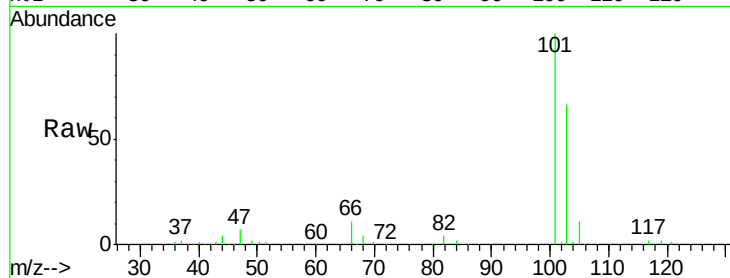
Trichlorofluoromethane
Concen: 50.917 ug/l
RT: 3.00 min Scan# 381
Delta R.T. -0.01 min
Lab File: VN056297.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	51.2	76.8

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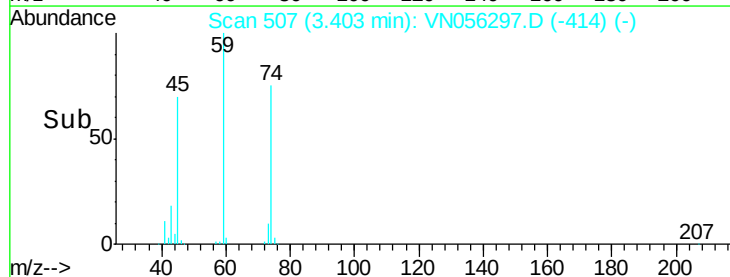
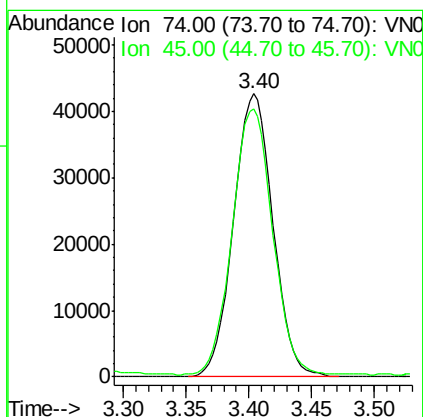
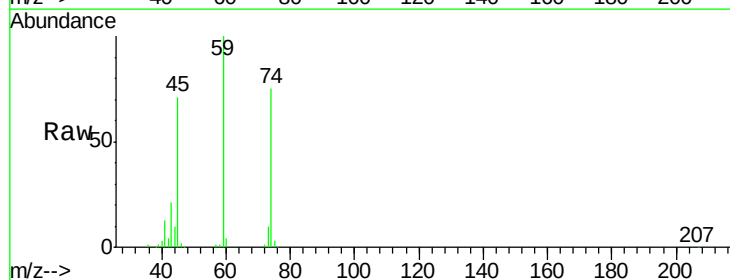
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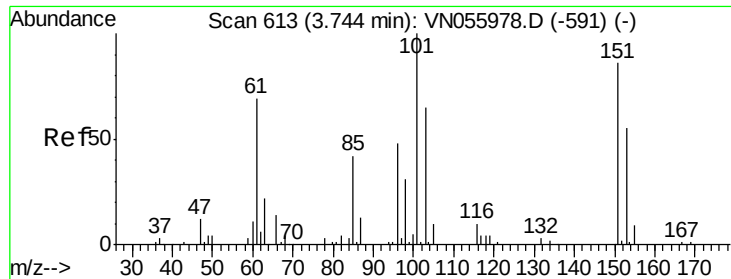


#8

Diethyl Ether
Concen: 51.220 ug/l
RT: 3.40 min Scan# 507
Delta R.T. -0.00 min
Lab File: VN056297.D
Acq: 13 Jun 2019 21:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.9	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.027 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.01 min

Lab File: VN056297.D

Acq: 13 Jun 2019 21:28

Instrument :

MSVOA_N

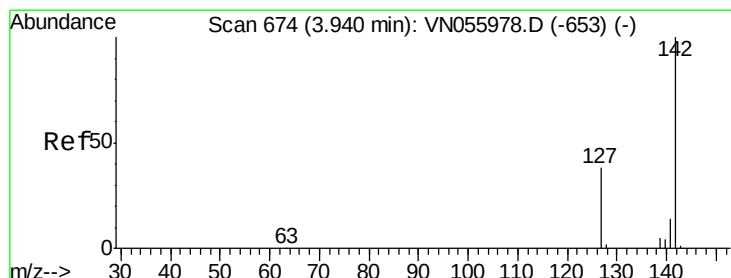
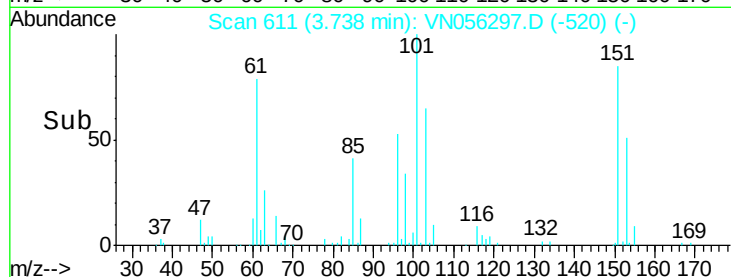
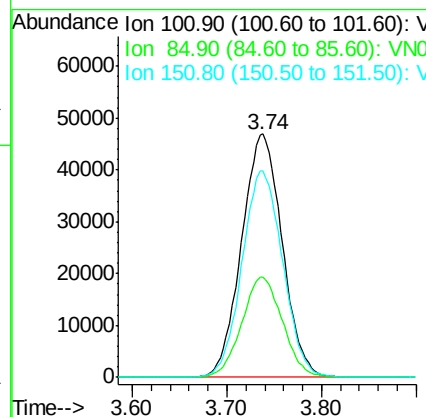
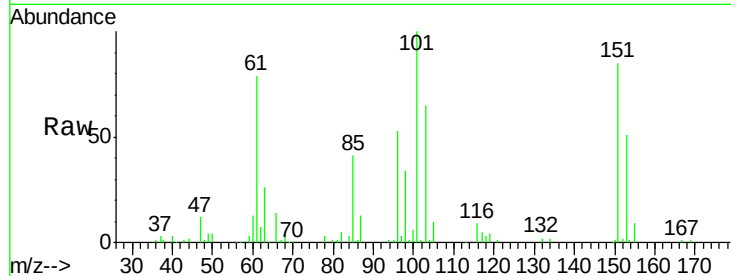
ClientSampleId :

MW-5_061219MSD

Tot Ion:	101	Resp:	139933
Ion Ratio	Lower	Upper	
101	100		
85	41.2	33.4	50.2
151	85.2	69.4	104.2

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#10

Methyl Iodide

Concen: 35.167 ug/l

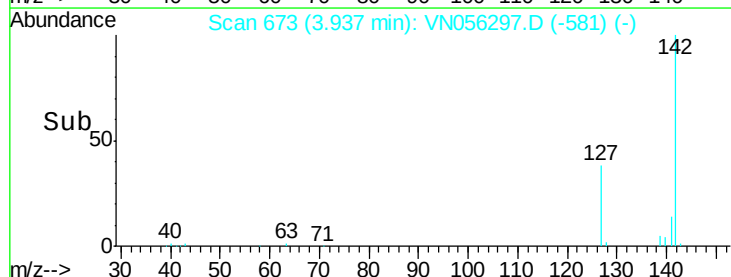
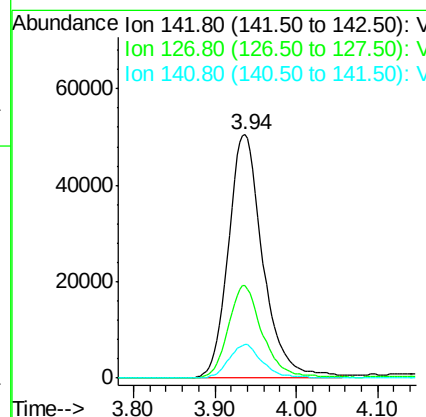
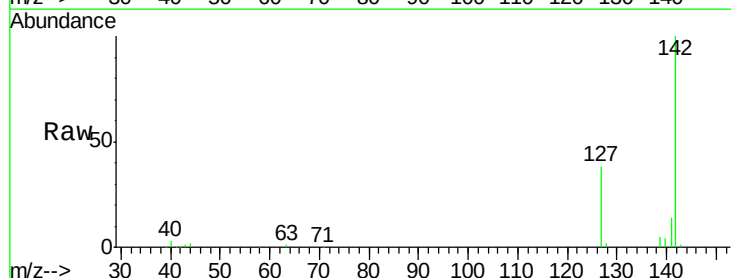
RT: 3.94 min Scan# 673

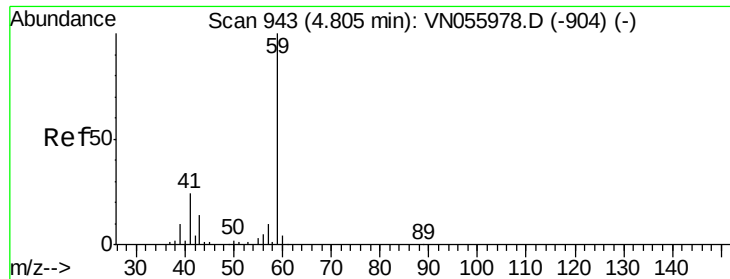
Delta R.T. -0.00 min

Lab File: VN056297.D

Acq: 13 Jun 2019 21:28

Tgt Ion:	142	Resp:	150311
Ion Ratio	Lower	Upper	
142	100		
127	37.7	31.0	46.4
141	13.3	11.4	17.0





#11

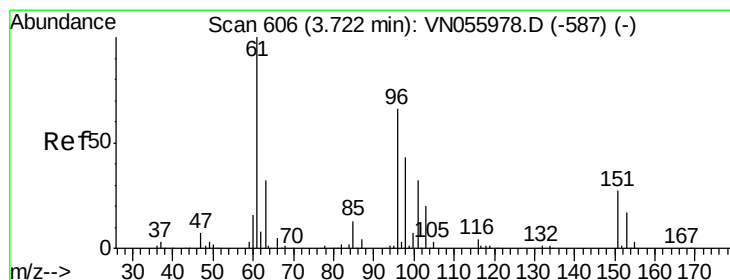
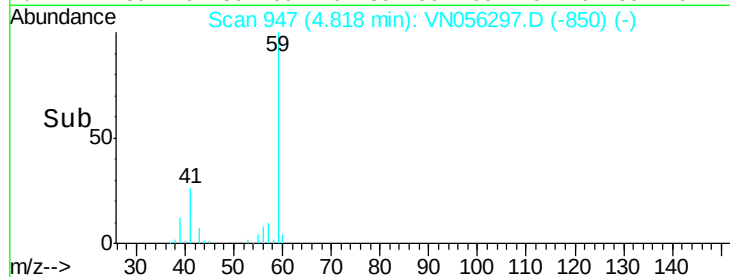
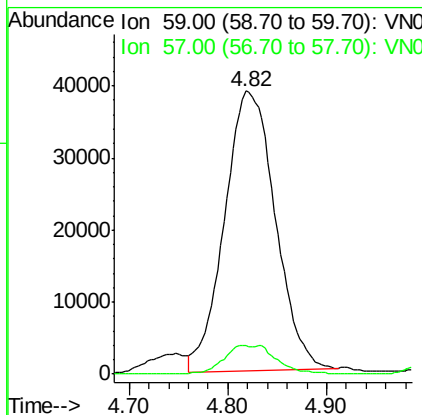
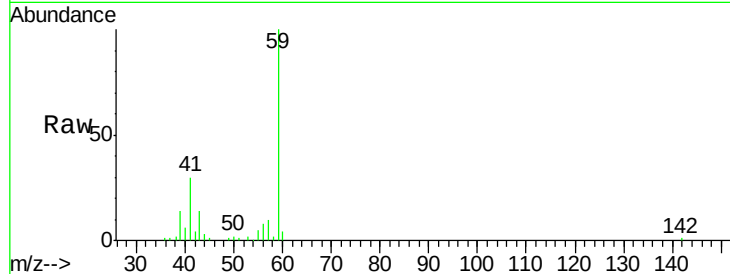
Tert butyl alcohol
 Concen: 251.200 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. 0.01 min
 Lab File: VN056297.D
 Acq: 13 Jun 2019 21:28

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5_061219MSD

Tot Ion	59	Resp	138446
Ion Ratio	100	Lower	Upper
57	5.9	7.8	11.6#

Manual Integrations
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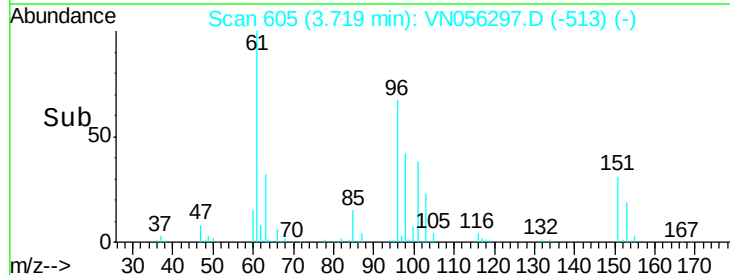
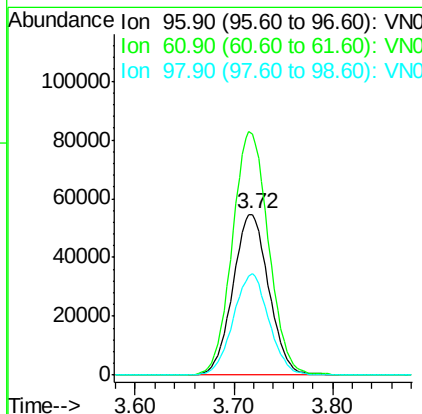
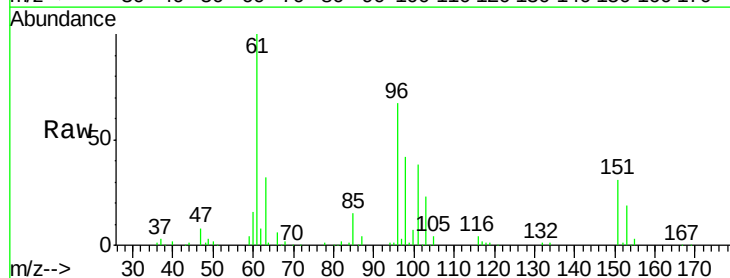
MMDadoda
 6/14/2019 9:36:51 AM

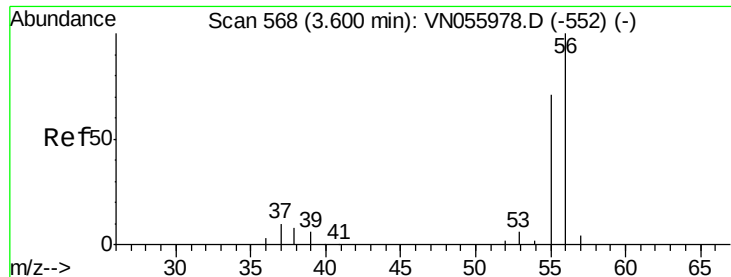


#12

1,1-Dichloroethene
 Concen: 51.691 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VN056297.D
 Acq: 13 Jun 2019 21:28

Tgt Ion	96	Resp	138413
Ion Ratio	100	Lower	Upper
61	149.3	123.2	184.8
98	63.0	50.4	75.6





#13

Acrolein

Concen: 220.436 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN056297.D

Acq: 13 Jun 2019 21:28

Instrument :

MSVOA_N

ClientSampleId :

MW-5_061219MSD

Tot Ion: 56 Resp: 35039

Ion Ratio Lower Upper

56 100

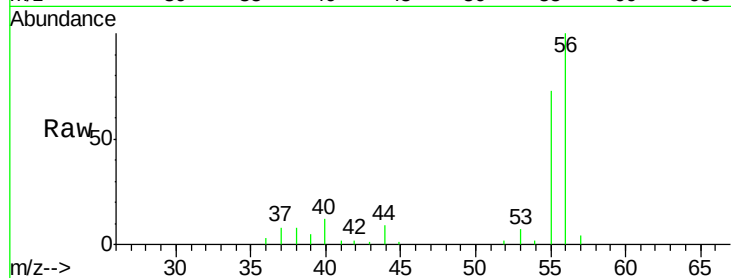
55 72.7 55.4 83.2

Manual Integrations

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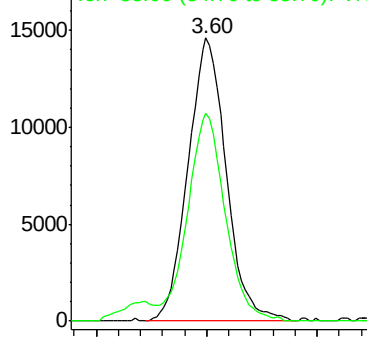
MMDadoda

6/14/2019 9:36:51 AM

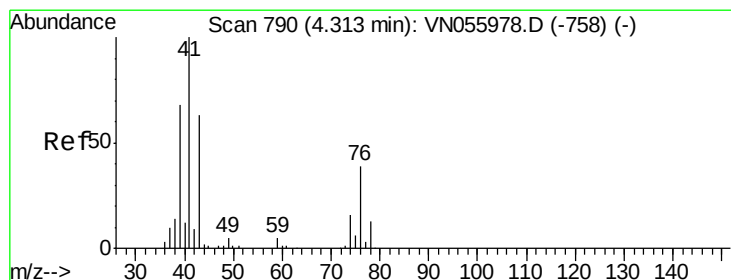
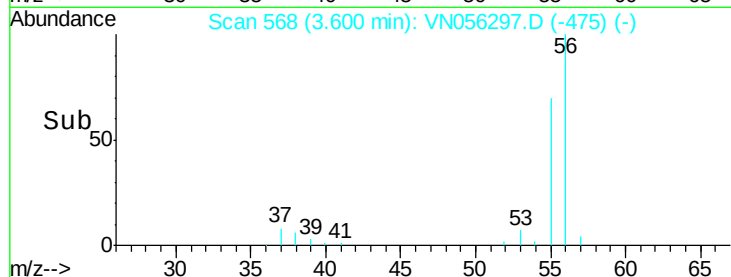


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#14

Allyl chloride

Concen: 54.204 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN056297.D

Acq: 13 Jun 2019 21:28

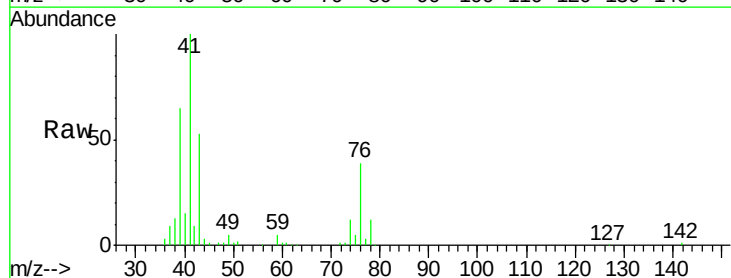
Tgt Ion: 41 Resp: 229186

Ion Ratio Lower Upper

41 100

39 60.3 50.0 75.0

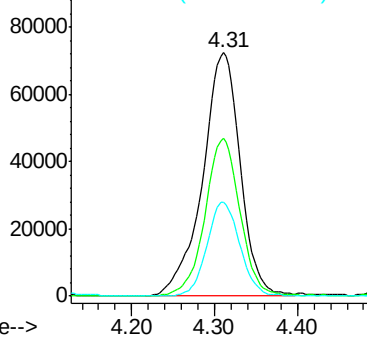
76 33.7 28.2 42.2



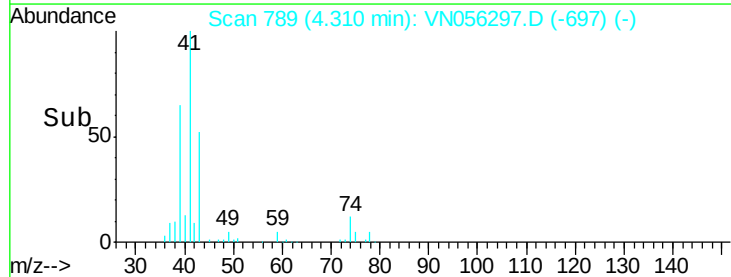
Abundance Ion 41.00 (40.70 to 41.70): VN0

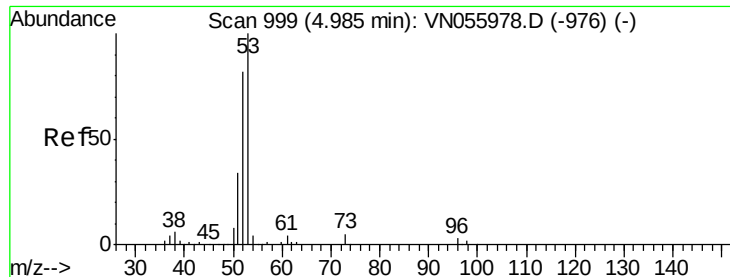
Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



Time-->





#15

Acrylonitrile

Concen: 317.846 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056297.D

Acq: 13 Jun 2019 21:28

Instrument :

MSVOA_N

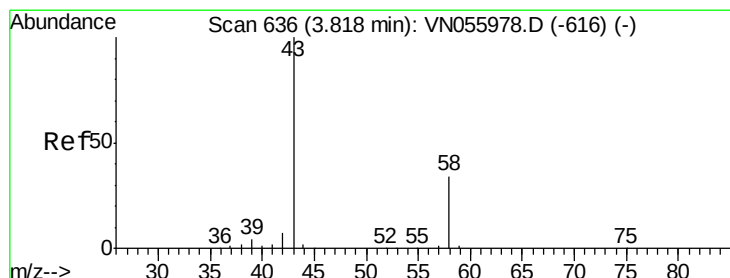
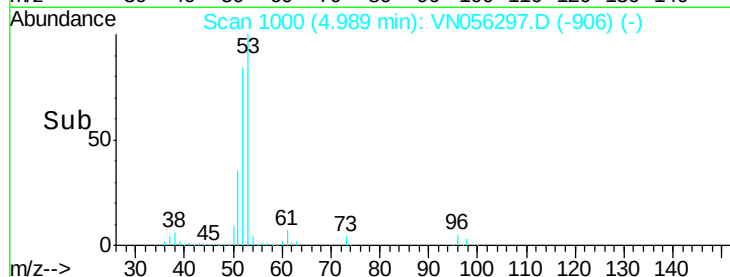
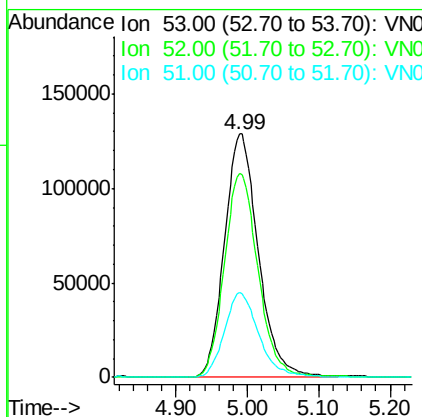
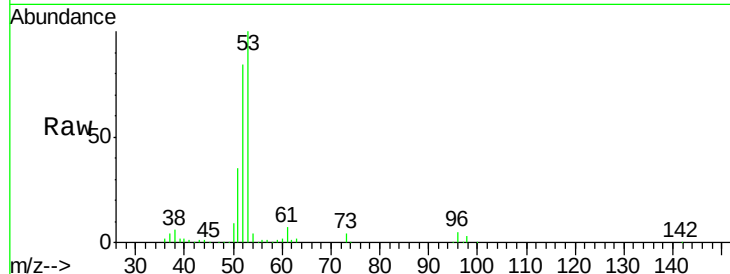
ClientSampleId :

MW-5_061219MSD

Tot Ion:	53	Resp:	426432
Ion	Ratio	Lower	Upper
53	100		
52	83.3	65.8	98.8
51	35.4	28.2	42.4

Manual Integrations
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MMDadoda
6/14/2019 9:36:51 AM



#16

Acetone

Concen: 228.996 ug/l

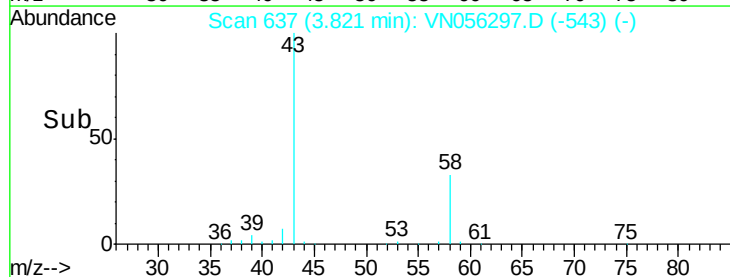
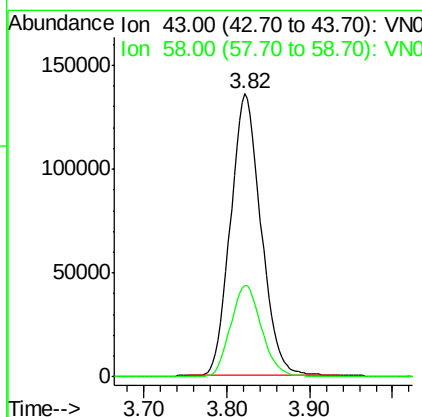
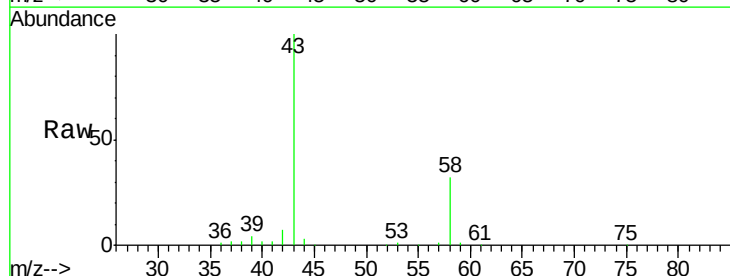
RT: 3.82 min Scan# 637

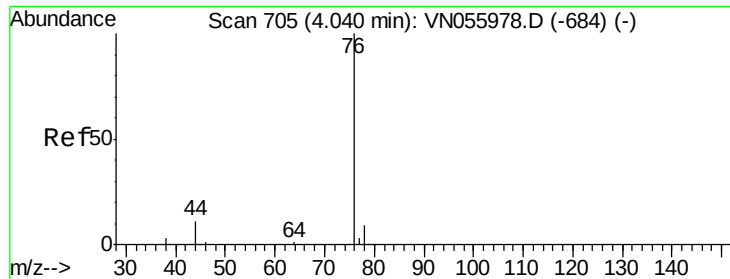
Delta R.T. 0.00 min

Lab File: VN056297.D

Acq: 13 Jun 2019 21:28

Tgt Ion:	43	Resp:	346863
Ion	Ratio	Lower	Upper
43	100		
58	32.6	26.6	39.8





#17

Carbon Disulfide

Concen: 46.997 ug/l

RT: 4.03 min Scan# 703

Delta R.T. -0.01 min

Lab File: VN056297.D

Acq: 13 Jun 2019 21:28

Instrument :

MSVOA_N

ClientSampleId :

MW-5_061219MSD

Tot Ion: 76 Resp: 301312

Ion Ratio Lower Upper

76 100

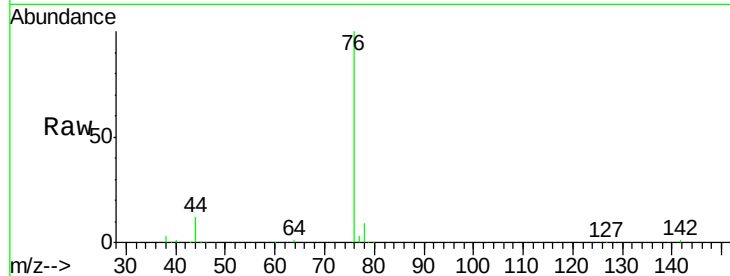
78 9.0 7.4 11.2

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.03

120000

100000

80000

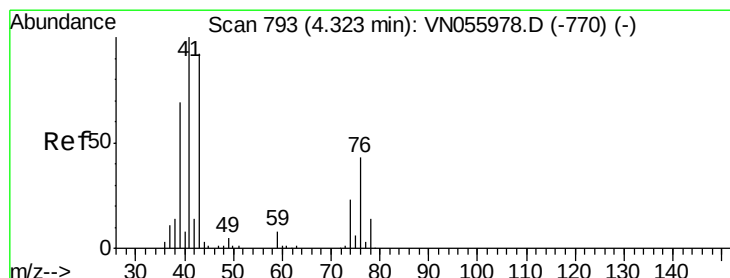
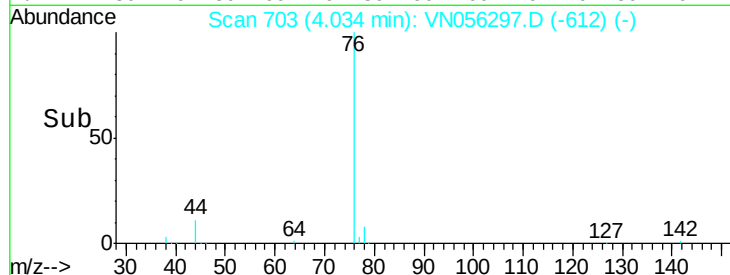
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 58.032 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN056297.D

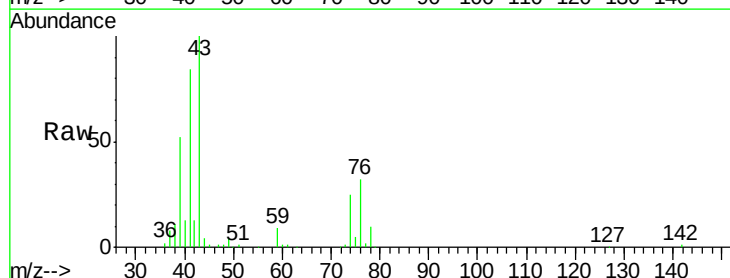
Acq: 13 Jun 2019 21:28

Tgt Ion: 43 Resp: 172389

Ion Ratio Lower Upper

43 100

74 23.4 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

4.33

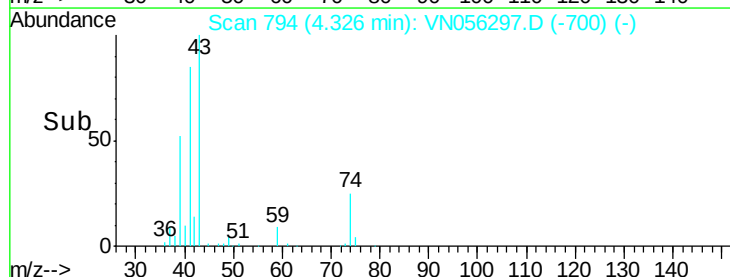
60000

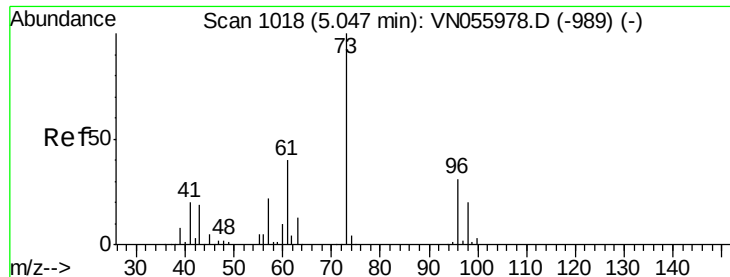
40000

20000

0

Time-->





#19

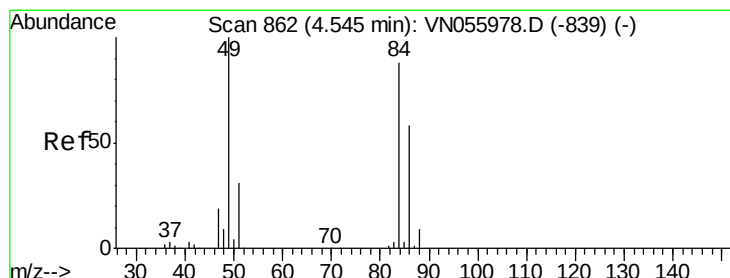
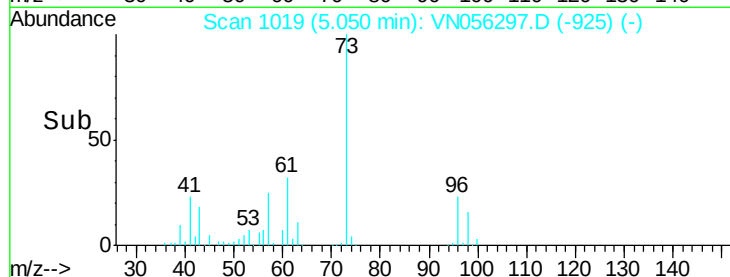
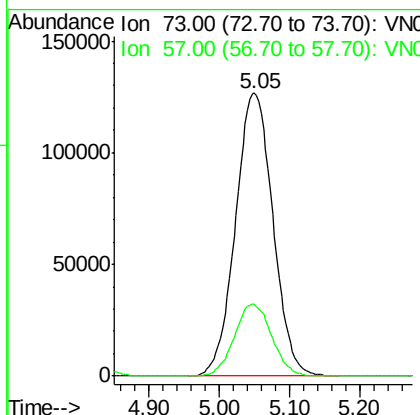
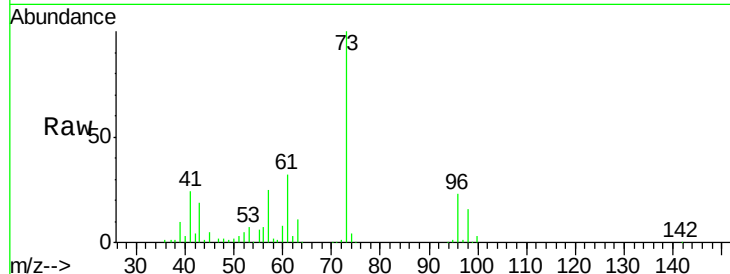
Methyl tert-butyl Ether
 Concen: 54.966 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN056297.D
 Acq: 13 Jun 2019 21:28

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5_061219MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	25.4	17.8	26.8

Manual Integrations
 APPROVED

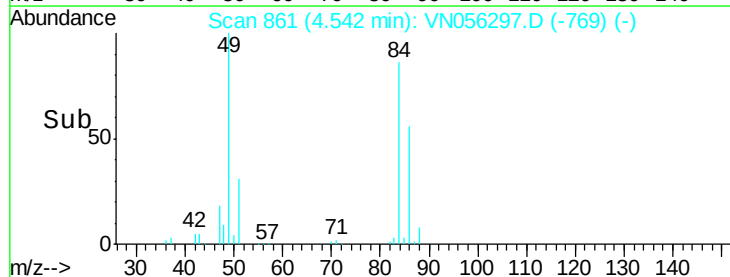
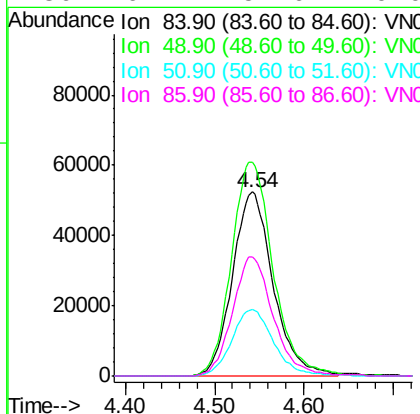
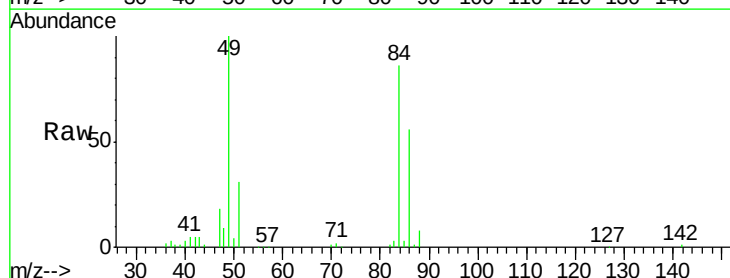
MMDadoda
 6/14/2019 9:36:51 AM

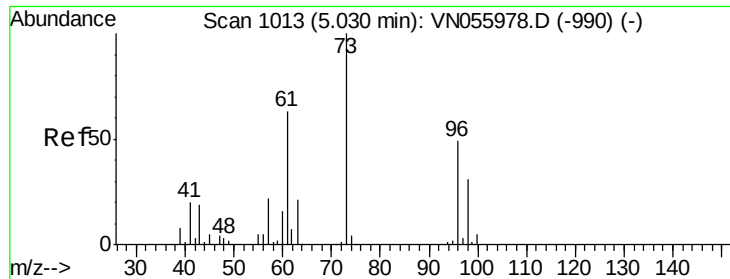


#20

Methylene Chloride
 Concen: 53.179 ug/l
 RT: 4.54 min Scan# 861
 Delta R.T. -0.00 min
 Lab File: VN056297.D
 Acq: 13 Jun 2019 21:28

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.9	93.5	140.3
51	35.8	28.6	43.0
86	64.7	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 50.060 ug/l

RT: 5.03 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VN056297.D

Acq: 13 Jun 2019 21:28

Instrument :

MSVOA_N

ClientSampleId :

MW-5_061219MSD

Tot Ion: 96 Resp: 143624

Ion Ratio Lower Upper

96 100

61 137.1 107.8 161.8

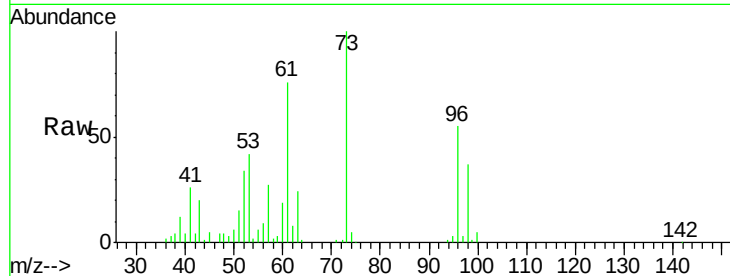
98 66.7 49.8 74.8

Manual Integrations

APPROVED

MMDadoda

6/14/2019 9:36:51 AM

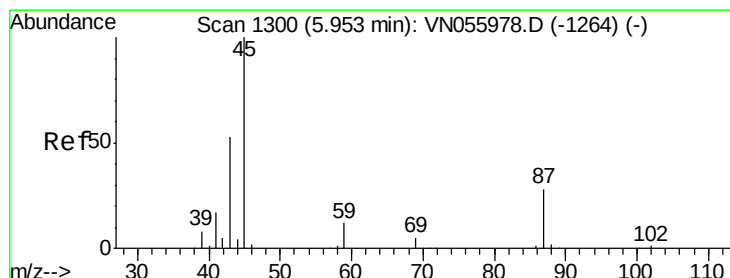
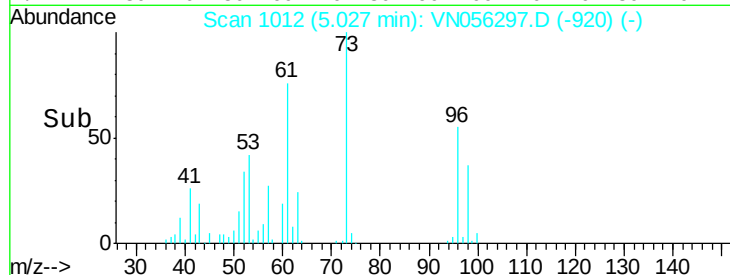
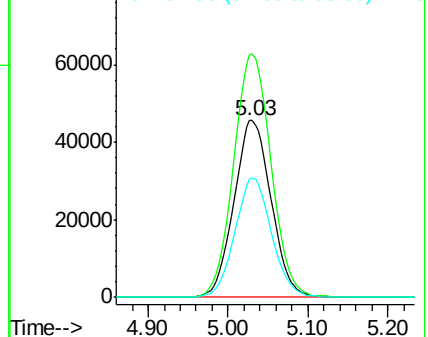


Abundance

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



#22

Diisopropyl ether

Concen: 55.861 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN056297.D

Acq: 13 Jun 2019 21:28

Tgt Ion: 45 Resp: 488243

Ion Ratio Lower Upper

45 100

43 54.9 45.0 67.6

87 27.7 22.2 33.4

59 12.1 9.1 13.7

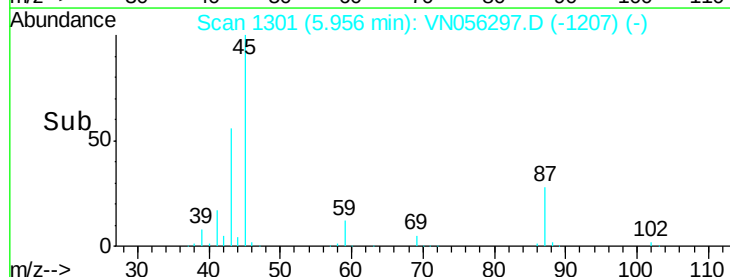
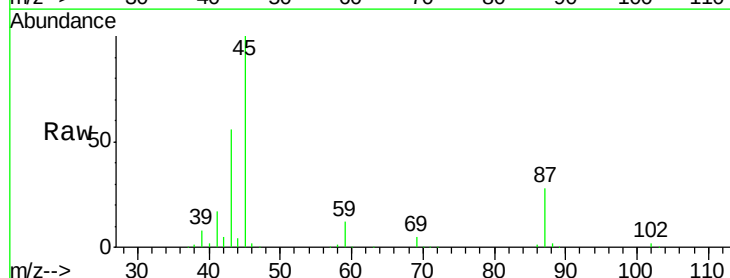
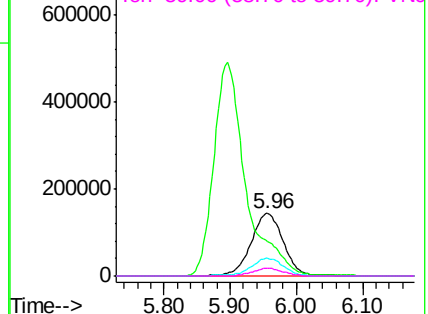
Abundance

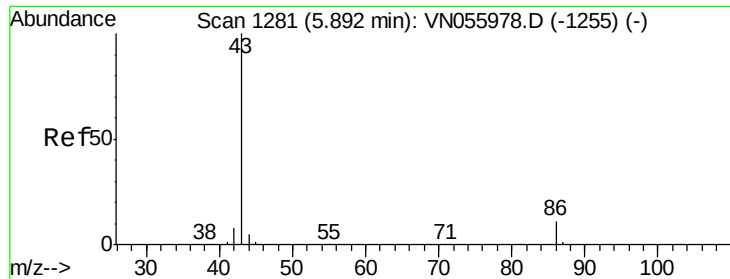
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 239.778 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056297.D

Acq: 13 Jun 2019 21:28

Instrument :

MSVOA_N

ClientSampleId :

MW-5_061219MSD

Tot Ion: 43 Resp: 1650396

Ion Ratio Lower Upper

43 100

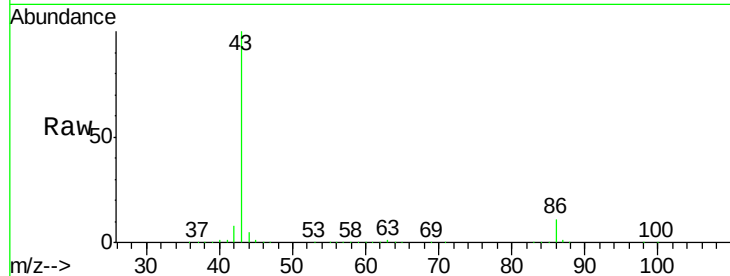
86 10.6 8.6 13.0

Manual Integrations

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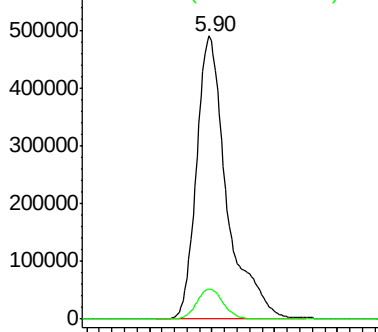
MMDadoda

6/14/2019 9:36:51 AM

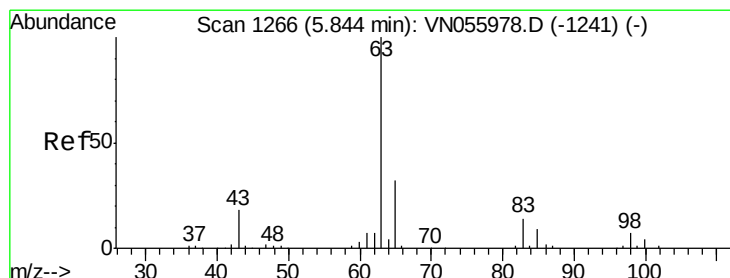
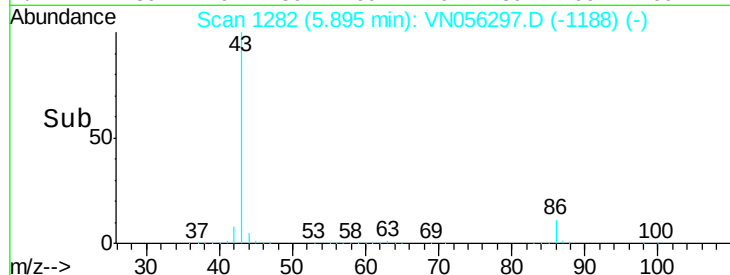


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 55.997 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN056297.D

Acq: 13 Jun 2019 21:28

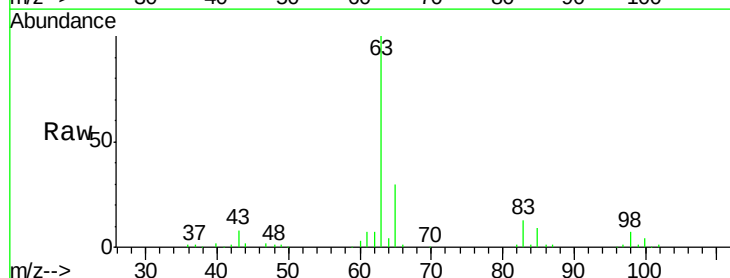
Tgt Ion: 63 Resp: 282324

Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.1

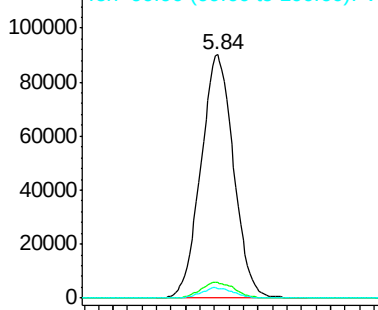
100 4.0 2.2 6.6



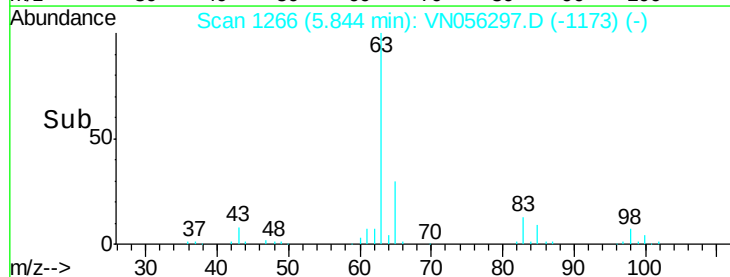
Abundance Ion 62.90 (62.60 to 63.60): VN0

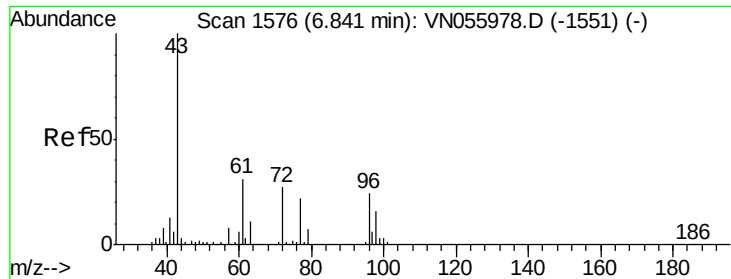
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->





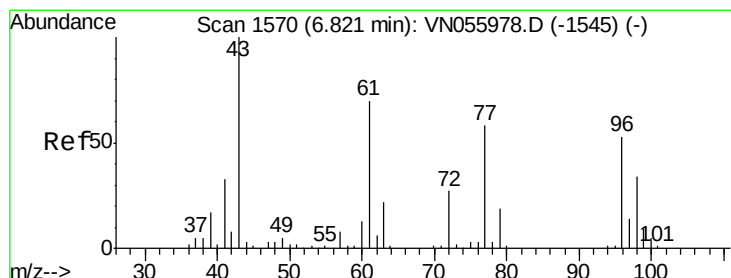
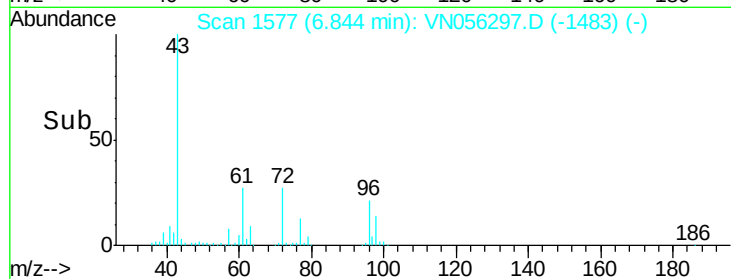
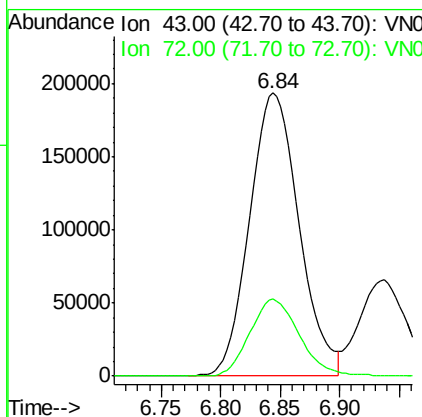
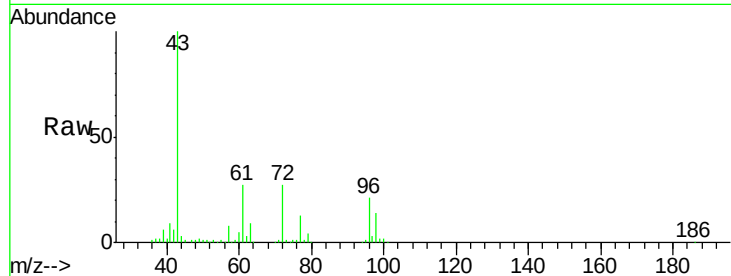
#25
2-Butanone
Concen: 290.397 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN056297.D
Acq: 13 Jun 2019 21:28

Instrument :
MSVOA_N
ClientSampleId :
MW-5_061219MSD

Tot Ion: 43 Resp: 555759
Ion Ratio Lower Upper
43 100
72 27.2 21.9 32.9

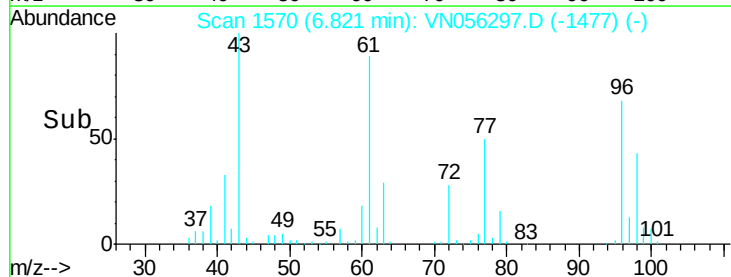
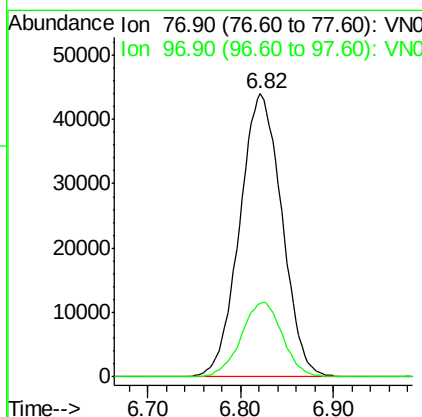
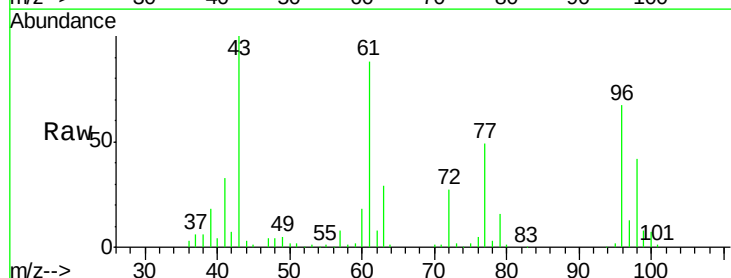
Manual Integrations
APPROVED

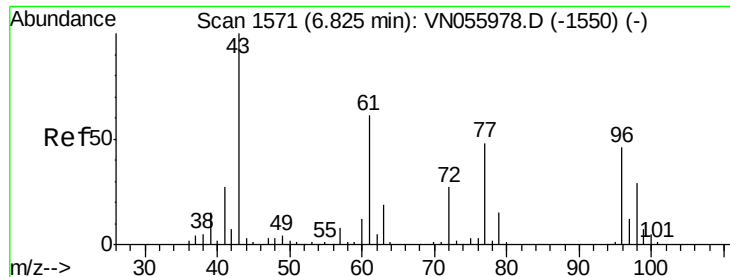
MMDadoda
6/14/2019 9:36:51 AM



#26
2,2-Dichloropropane
Concen: 35.328 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN056297.D
Acq: 13 Jun 2019 21:28

Tgt Ion: 77 Resp: 138986
Ion Ratio Lower Upper
77 100
97 25.7 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 52.933 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056297.D

Acq: 13 Jun 2019 21:28

Instrument :

MSVOA_N

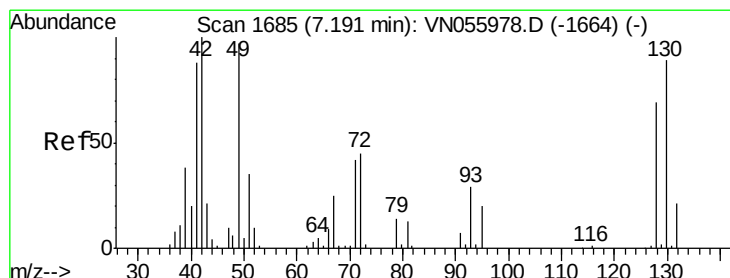
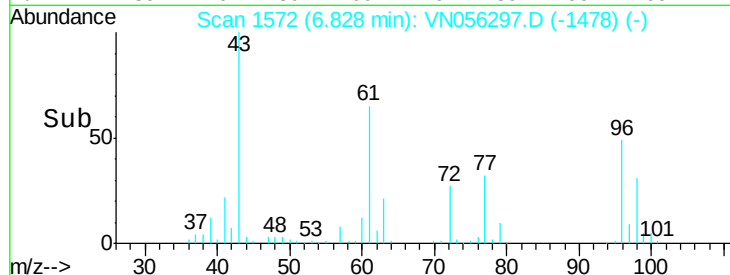
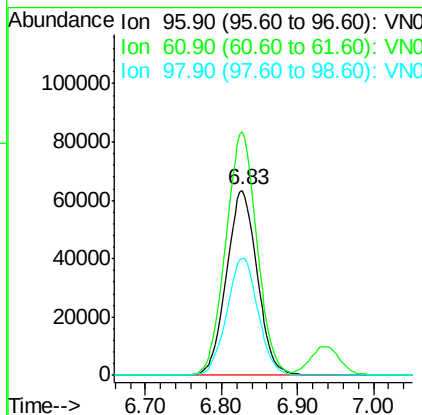
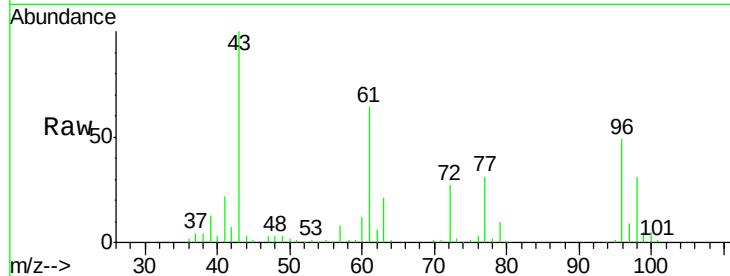
ClientSampleId :

MW-5_061219MSD

Tot Ion:	96	Resp:	178514
Ion Ratio	Lower	Upper	
96	100		
61	133.3	0.0	275.8
98	64.4	0.0	128.4

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#28

Bromochloromethane

Concen: 56.874 ug/l

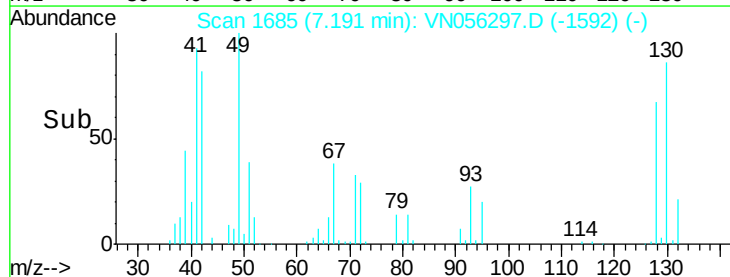
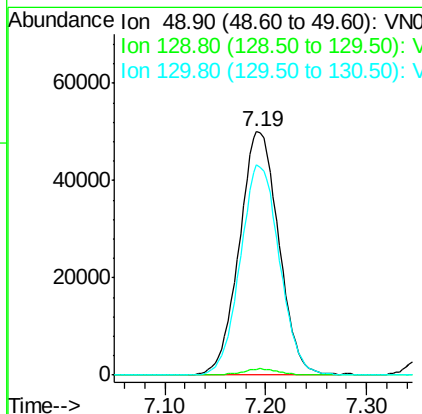
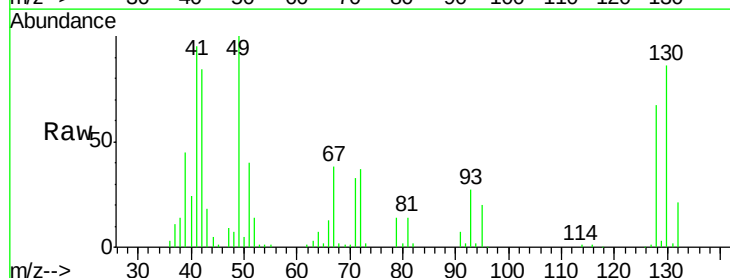
RT: 7.19 min Scan# 1685

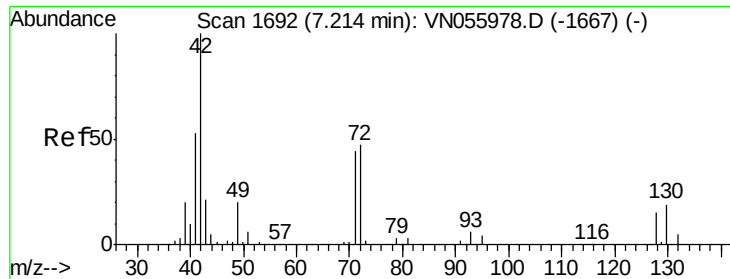
Delta R.T. 0.00 min

Lab File: VN056297.D

Acq: 13 Jun 2019 21:28

Tgt Ion:	49	Resp:	135601
Ion Ratio	Lower	Upper	
49	100		
129	2.3	0.0	4.4
130	86.1	71.2	106.8





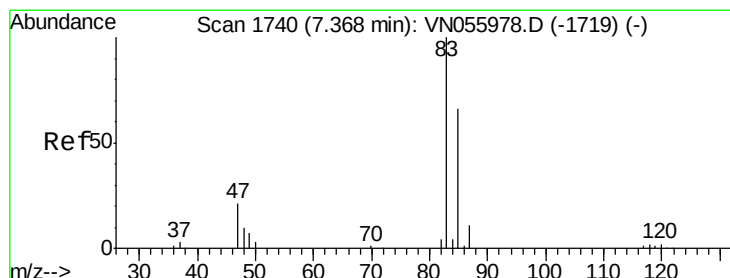
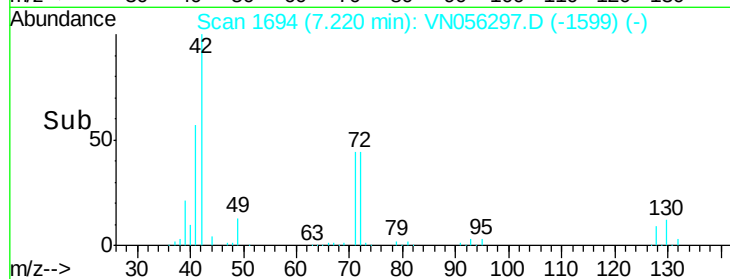
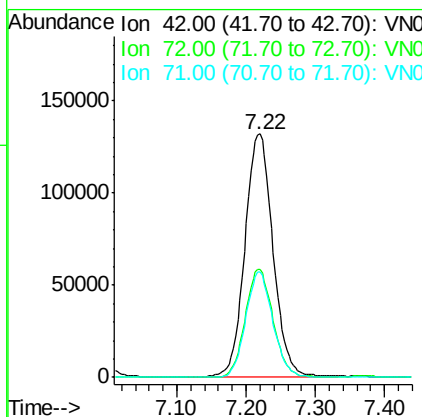
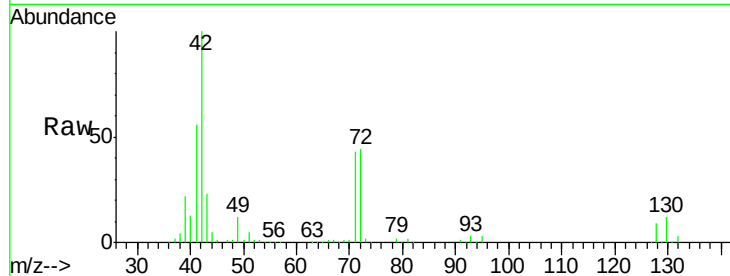
#29
Tetrahydrofuran
Concen: 315.290 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN056297.D
Acq: 13 Jun 2019 21:28

Instrument :
MSVOA_N
ClientSampleId :
MW-5_061219MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	35.9	53.9
71	41.7	34.0	51.0

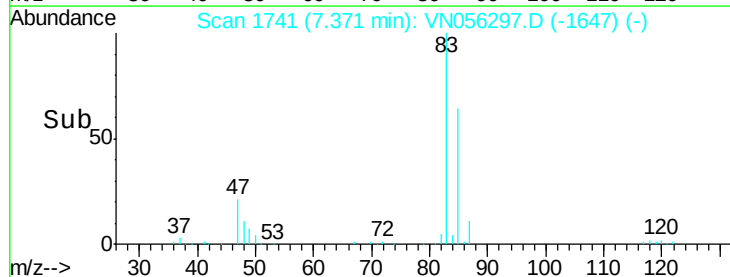
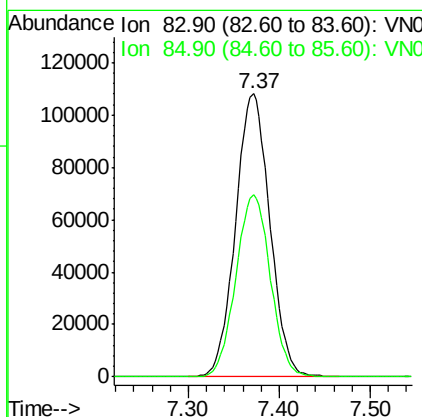
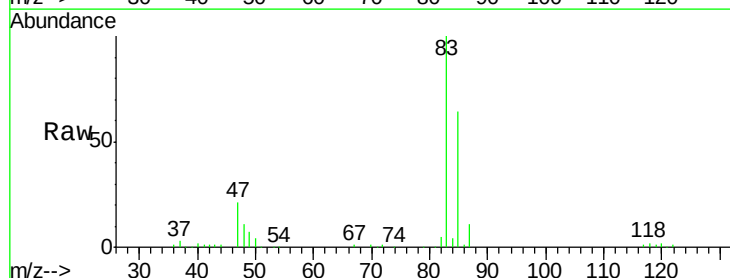
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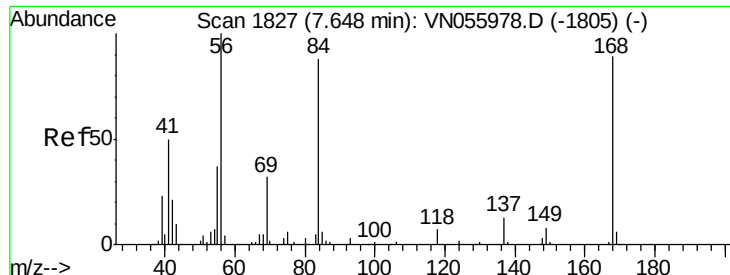
MMDadoda
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#30
Chloroform
Concen: 55.891 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056297.D
Acq: 13 Jun 2019 21:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.8	77.8





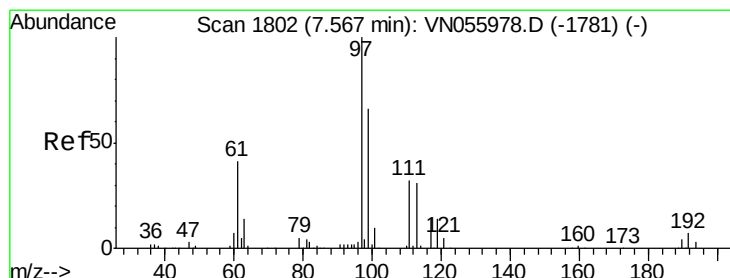
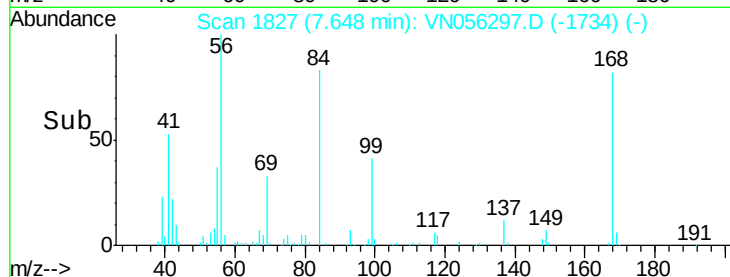
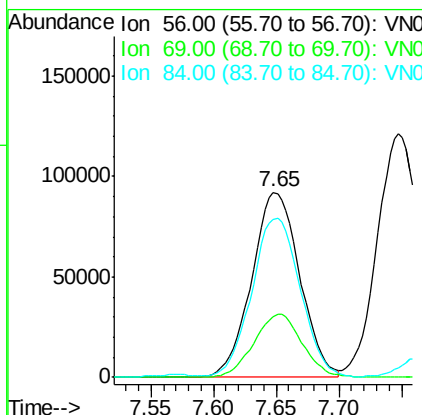
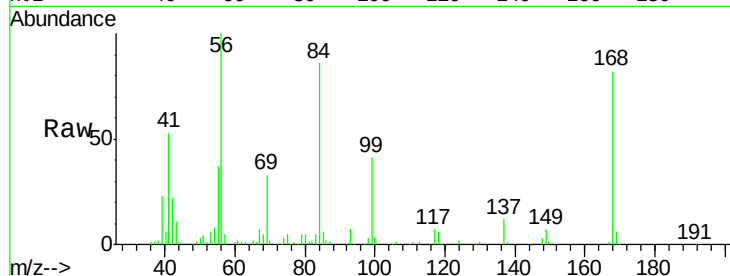
#31
Cyclohexane
Concen: 48.890 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN056297.D
Acq: 13 Jun 2019 21:28

Instrument :
MSVOA_N
ClientSampleId :
MW-5_061219MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.0	25.6	38.4
84	84.3	67.4	101.0

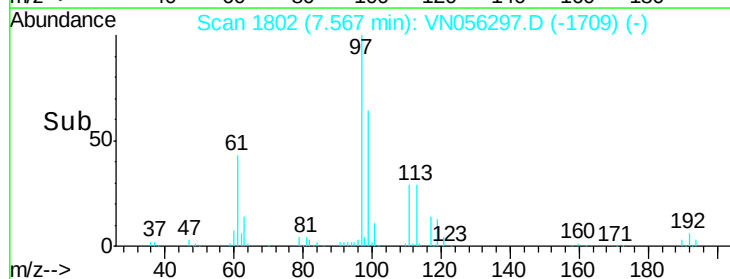
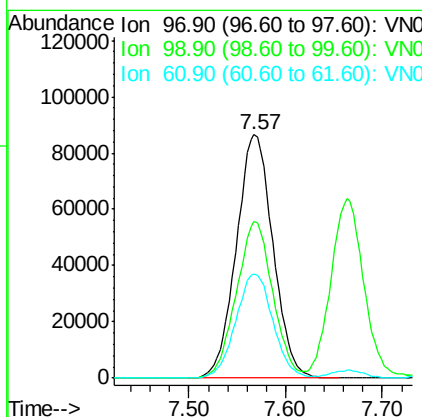
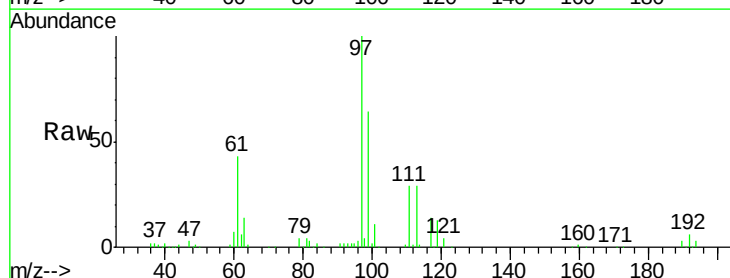
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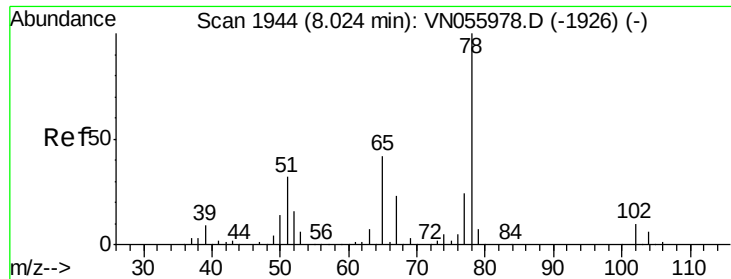
MMDadoda
6/14/2019 9:36:51 AM



#32
1,1,1-Trichloroethane
Concen: 53.888 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN056297.D
Acq: 13 Jun 2019 21:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	52.0	78.0
61	43.3	32.9	49.3





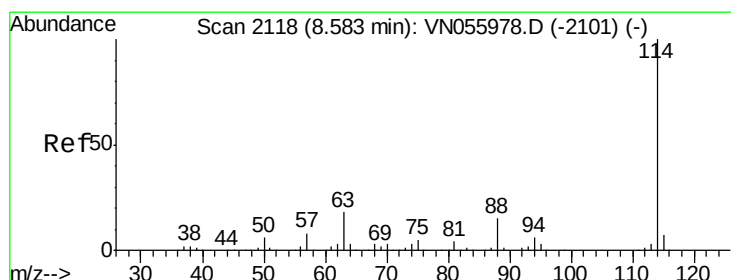
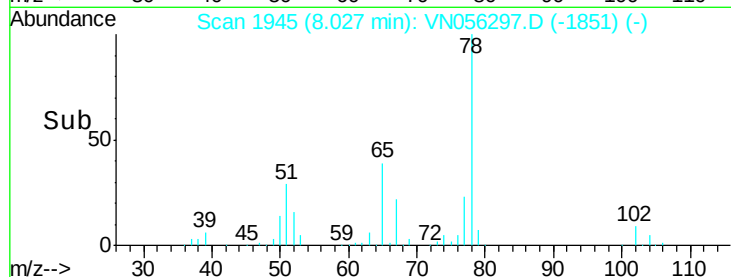
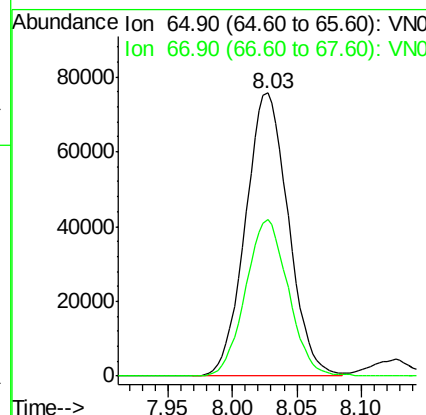
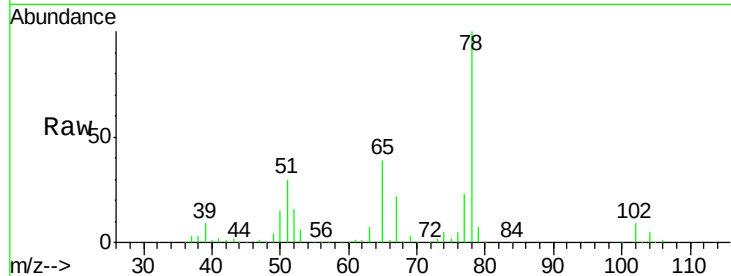
#33
 1,2-Dichloroethane-d4
 Concen: 55.404 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056297.D
 Acq: 13 Jun 2019 21:28

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5_061219MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	175470		
67	55.3	0.0	109.2	

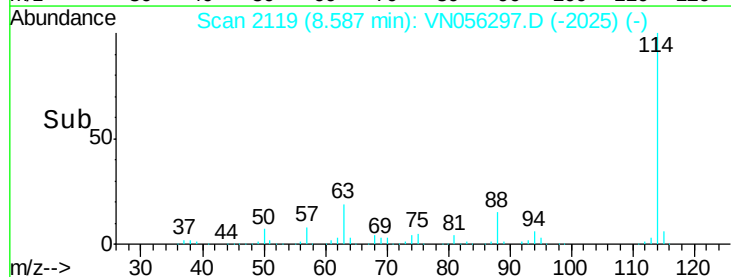
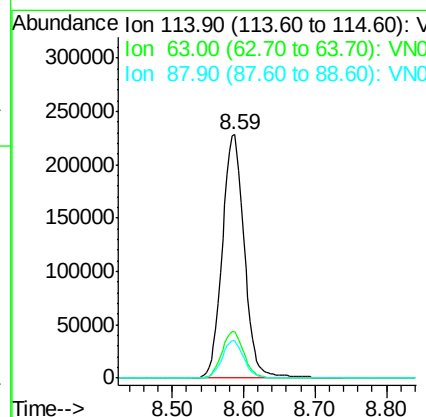
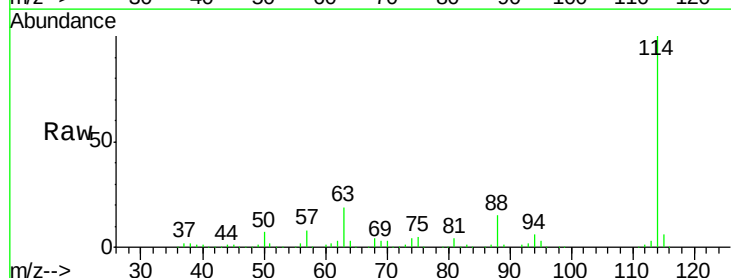
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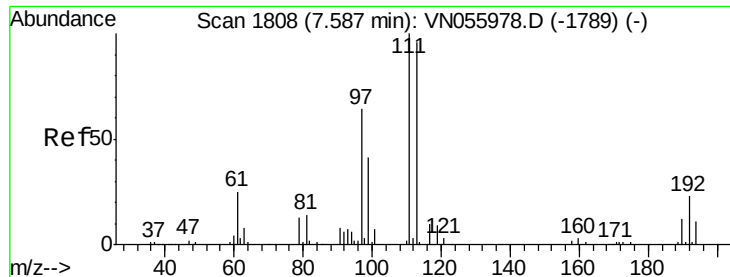
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056297.D
 Acq: 13 Jun 2019 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	489473		
63	19.3	0.0	39.2	
88	15.4	0.0	31.0	





#35

Dibromofluoromethane

Concen: 52.833 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056297.D

Acq: 13 Jun 2019 21:28

Instrument :

MSVOA_N

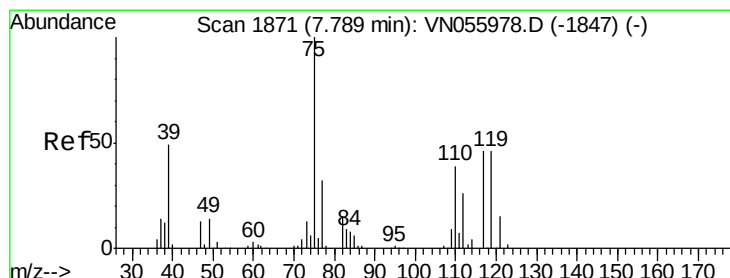
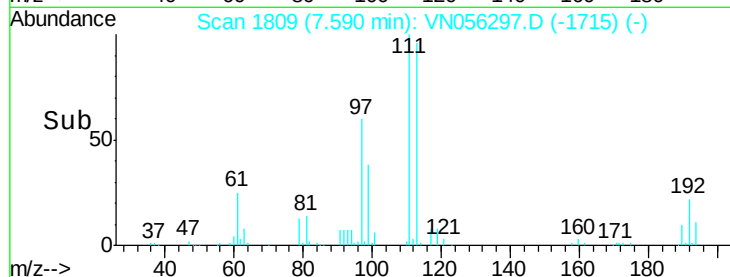
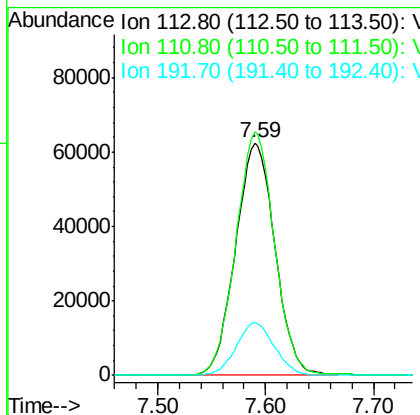
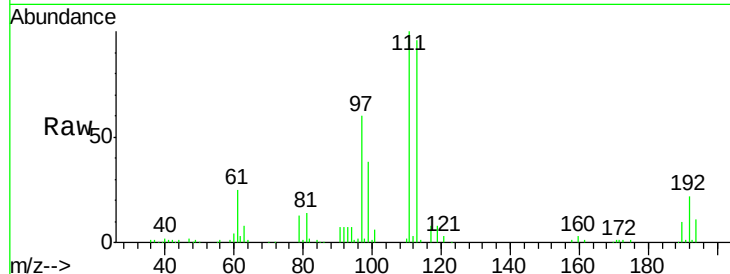
ClientSampleId :

MW-5_061219MSD

Tot Ion:	113	Resp:	158663
Ion Ratio	Lower	Upper	
113	100		
111	103.1	81.9	122.9
192	22.1	19.5	29.3

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#36

1,1-Dichloropropene

Concen: 47.693 ug/l

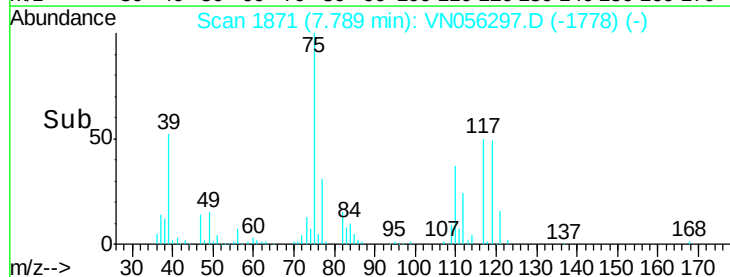
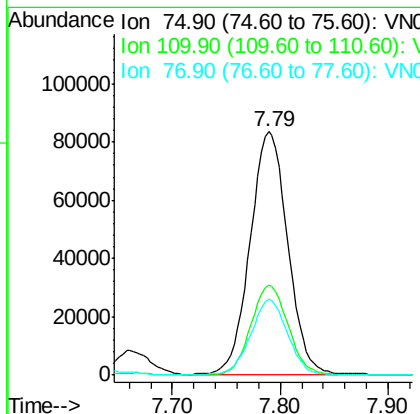
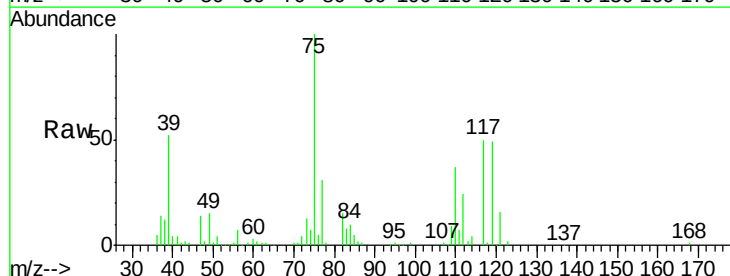
RT: 7.79 min Scan# 1871

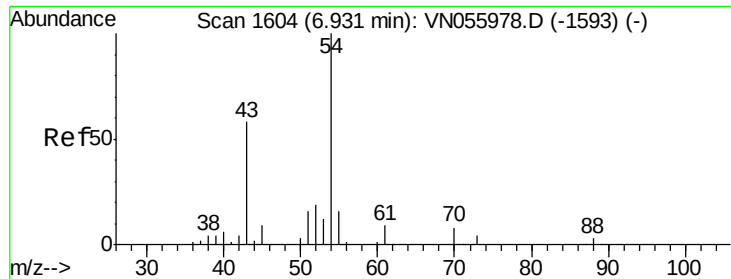
Delta R.T. -0.00 min

Lab File: VN056297.D

Acq: 13 Jun 2019 21:28

Tgt Ion:	75	Resp:	200730
Ion Ratio	Lower	Upper	
75	100		
110	37.0	19.0	57.0
77	30.9	25.1	37.7





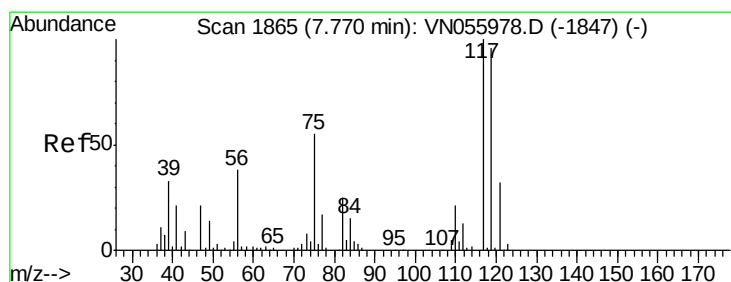
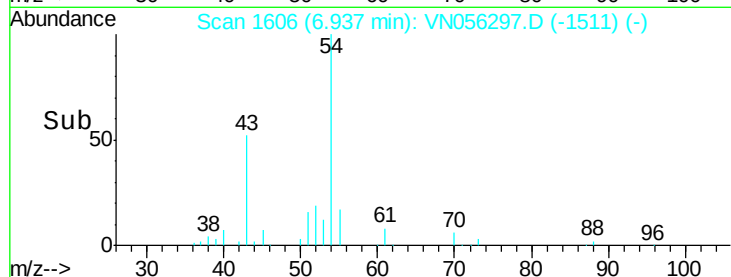
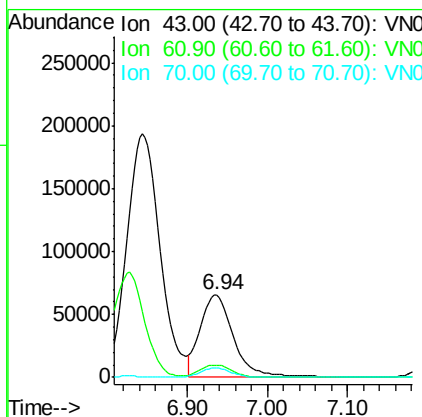
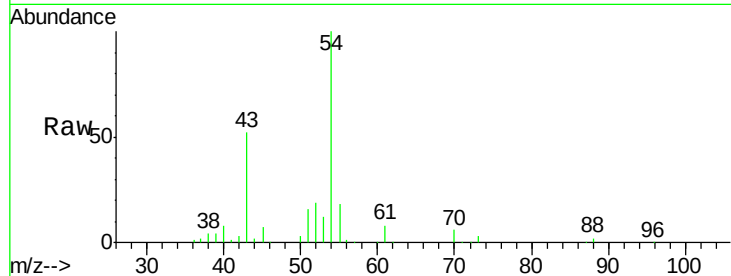
#37
Ethyl Acetate
Concen: 49.414 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VN056297.D
Acq: 13 Jun 2019 21:28

Instrument :
MSVOA_N
ClientSampleId :
MW-5_061219MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	12.2	18.2
70	10.6	8.9	13.3

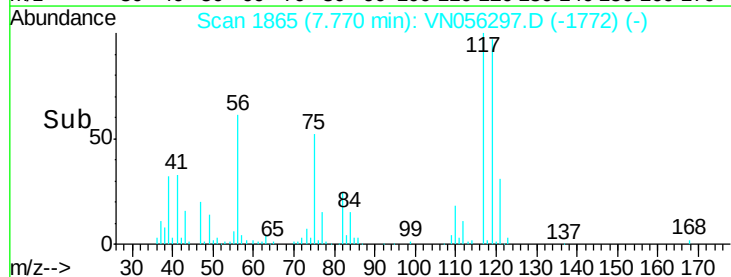
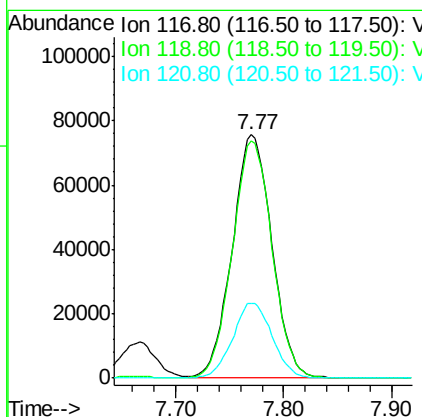
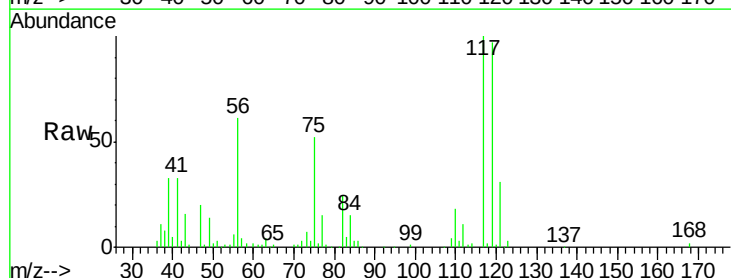
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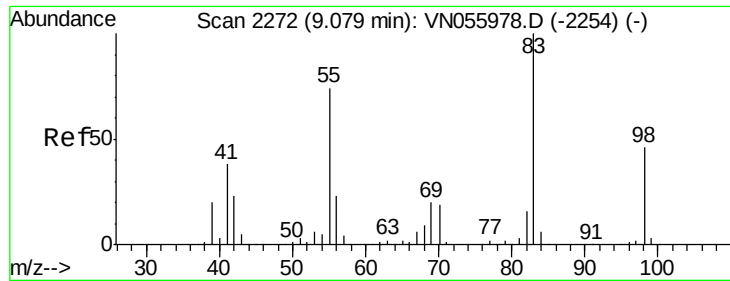
MMDadoda
6/14/2019 9:36:51 AM



#38
Carbon Tetrachloride
Concen: 49.727 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056297.D
Acq: 13 Jun 2019 21:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	79.0	118.6
121	31.0	24.7	37.1





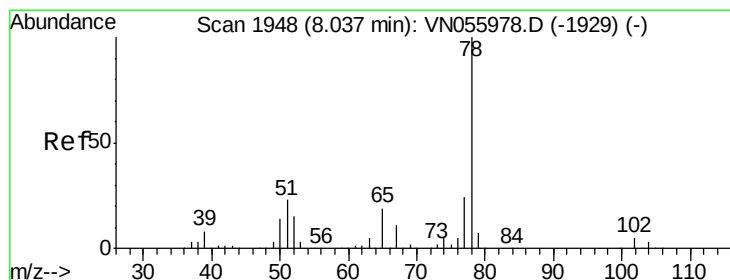
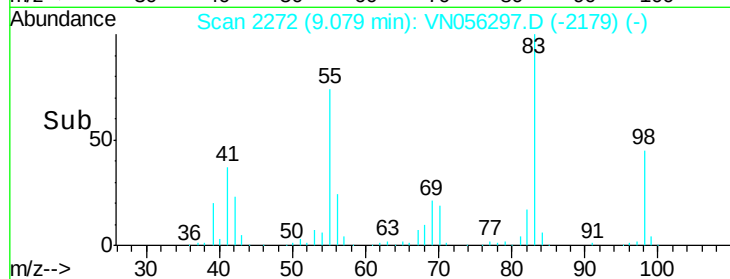
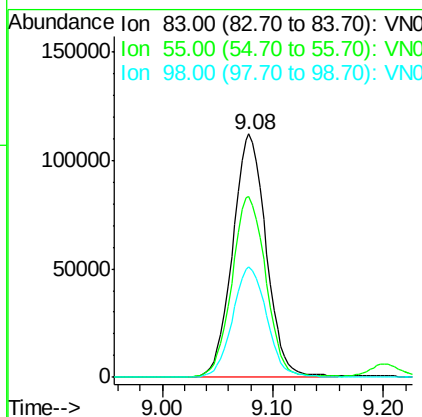
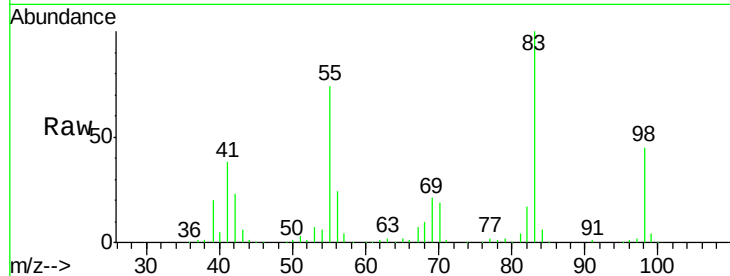
#39
Methylvlcyclohexane
Concen: 45.078 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056297.D
Acq: 13 Jun 2019 21:28

Instrument :
MSVOA_N
ClientSampleId :
MW-5_061219MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.0	59.3	88.9
98	45.2	36.6	54.8

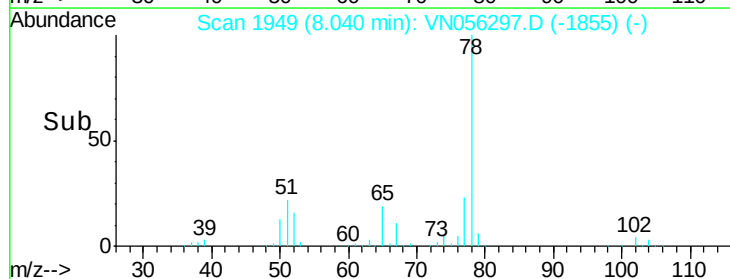
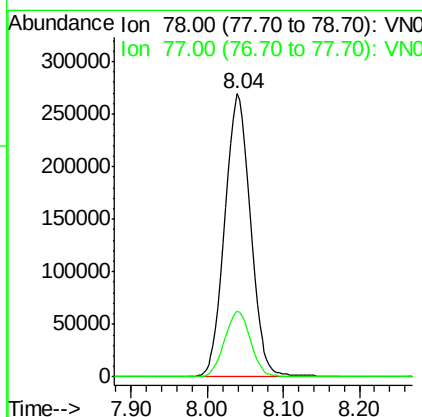
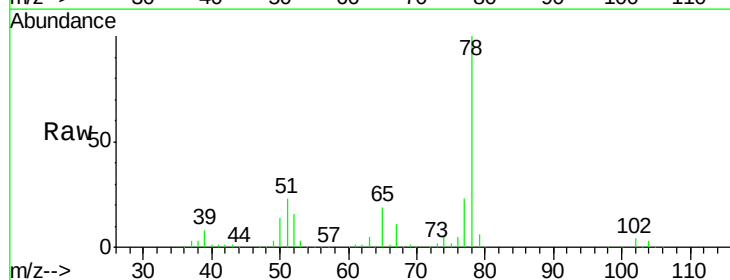
Manual Integrations
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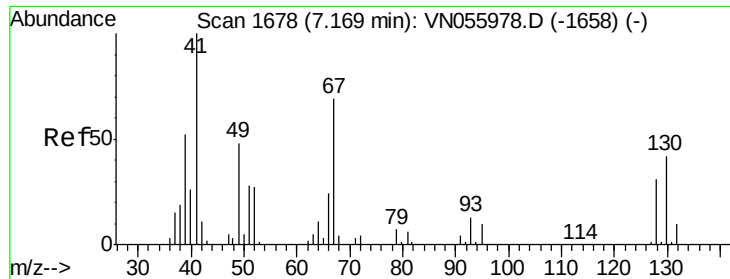
MMDadoda
6/14/2019 9:36:51 AM



#40
Benzene
Concen: 50.081 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056297.D
Acq: 13 Jun 2019 21:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2





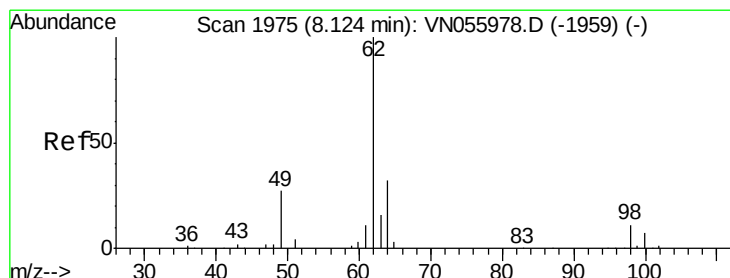
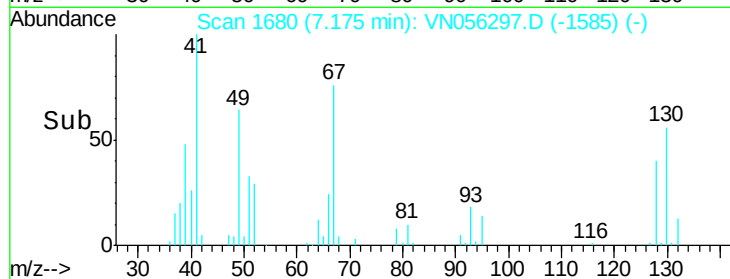
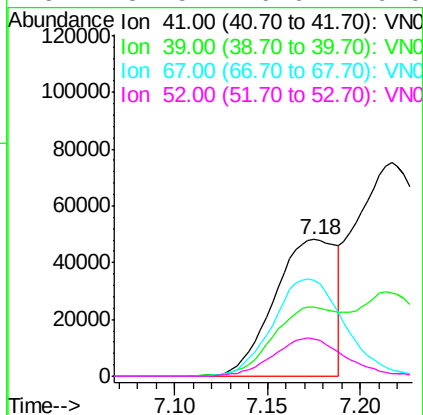
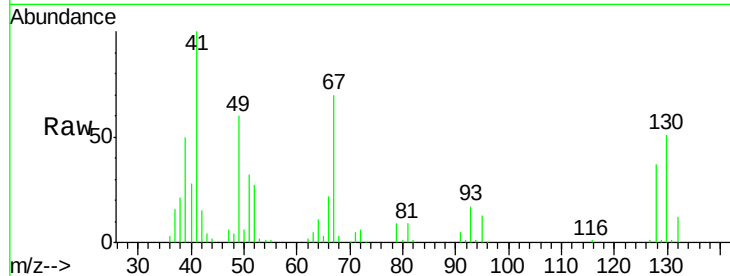
#41
Methacrylonitrile
Concen: 65.090 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN056297.D
Acq: 13 Jun 2019 21:28

Instrument :
MSVOA_N
ClientSampleId :
MW-5_061219MSD

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.8	45.6	68.4
67	83.2	67.7	101.5
52	32.5	26.6	40.0

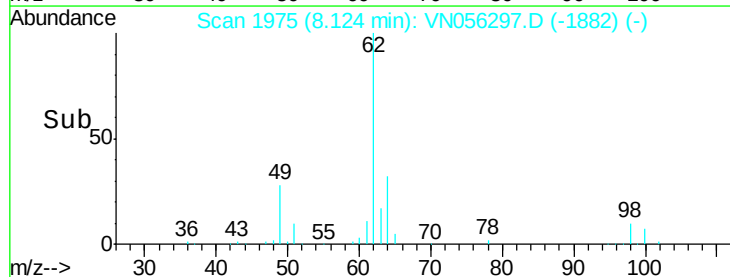
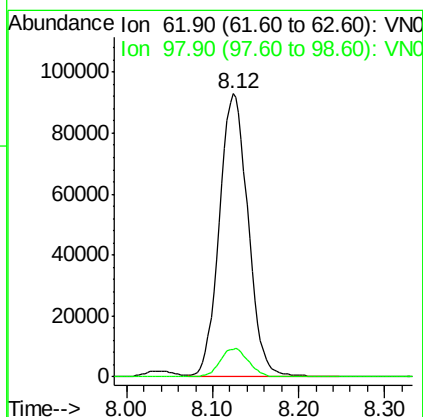
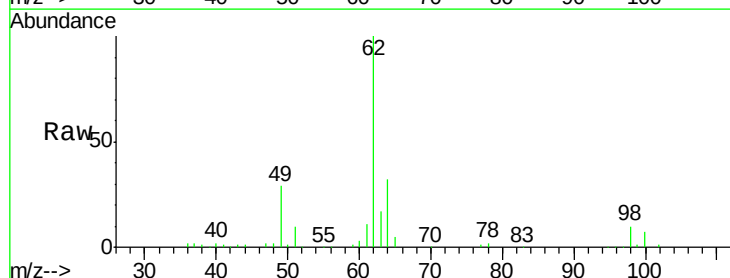
Manual Integrations
APPROVED

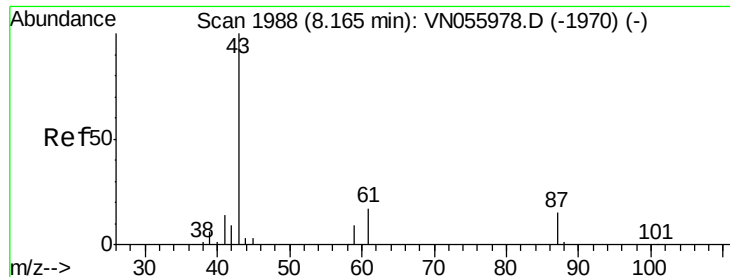
MMDadoda
6/14/2019 9:36:51 AM



#42
1,2-Dichloroethane
Concen: 52.681 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056297.D
Acq: 13 Jun 2019 21:28

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.2





#43

Isopropyl Acetate

Concen: 49.775 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN056297.D

Acq: 13 Jun 2019 21:28

Instrument :

MSVOA_N

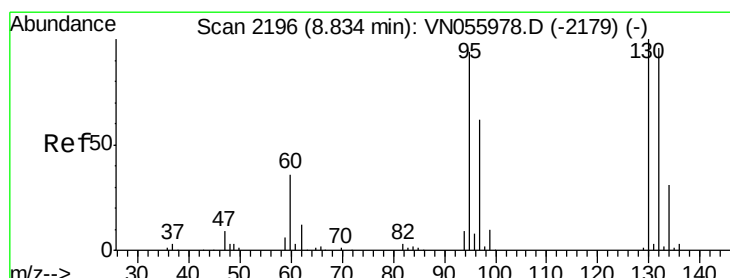
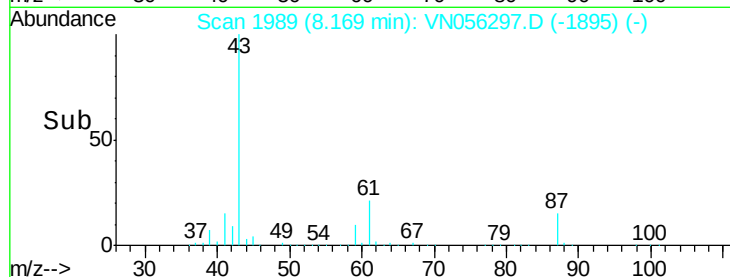
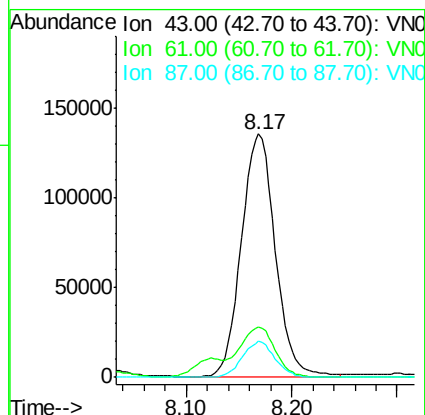
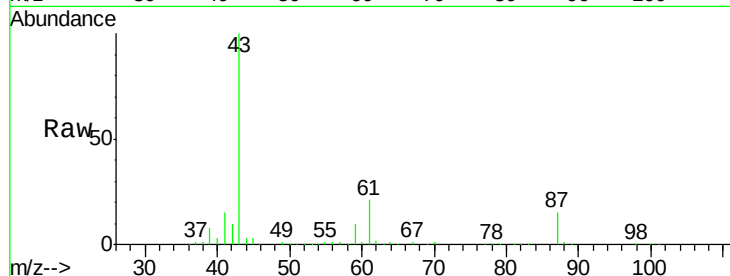
ClientSampleId :

MW-5_061219MSD

Tot Ion:	43	Resp:	302048
Ion	Ratio	Lower	Upper
43	100		
61	21.1	22.2	33.4#
87	14.3	11.4	17.2

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#44

Trichloroethene

Concen: 47.833 ug/l

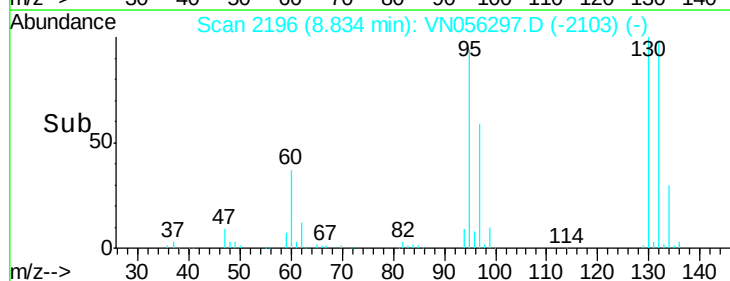
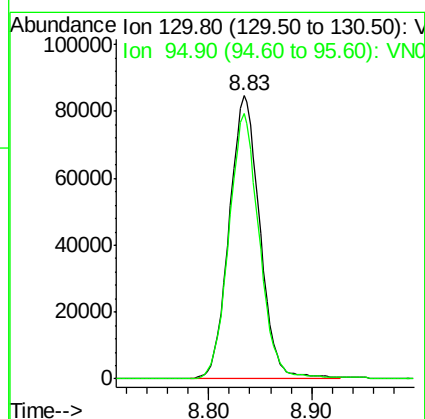
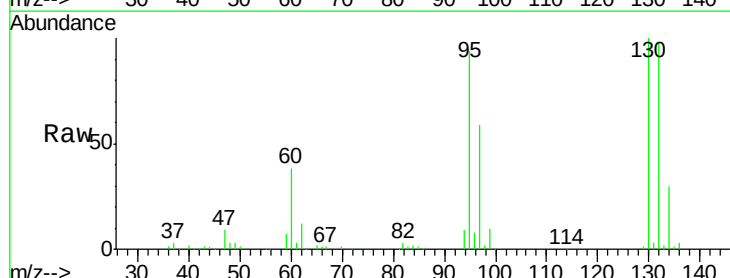
RT: 8.83 min Scan# 2196

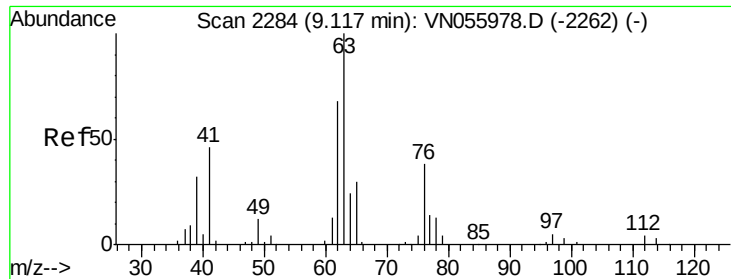
Delta R.T. -0.00 min

Lab File: VN056297.D

Acq: 13 Jun 2019 21:28

Tgt Ion:	130	Resp:	175700
Ion	Ratio	Lower	Upper
130	100		
95	93.7	0.0	188.0





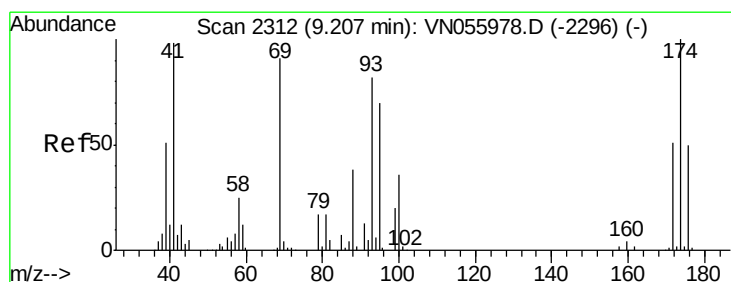
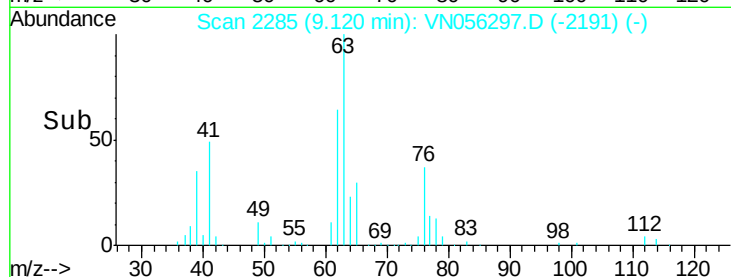
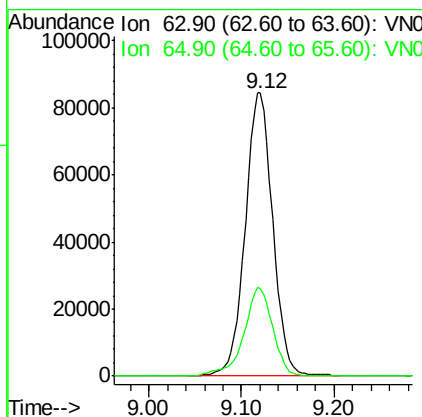
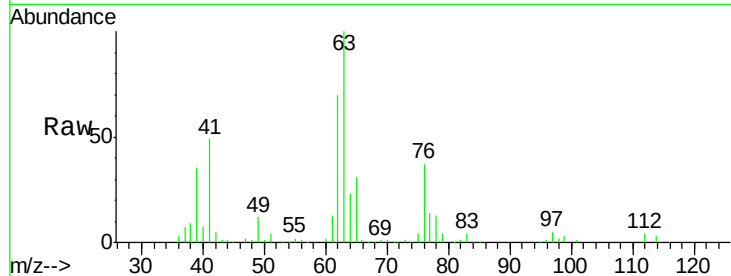
#45
 1,2-Dichloropropane
 Concen: 53.147 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN056297.D
 Acq: 13 Jun 2019 21:28

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5_061219MSD

Tot Ion: 63 Resp: 174018
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.6 36.8

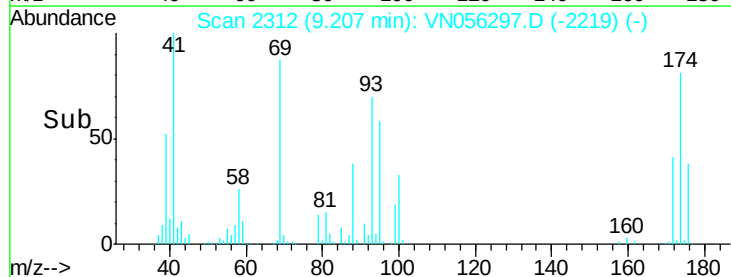
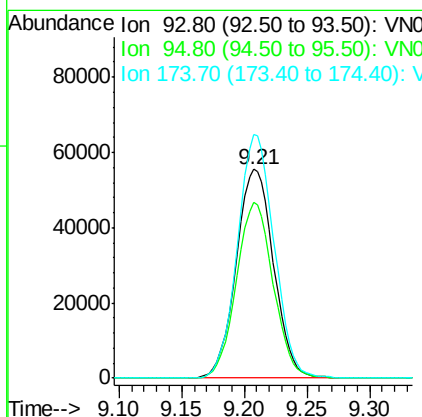
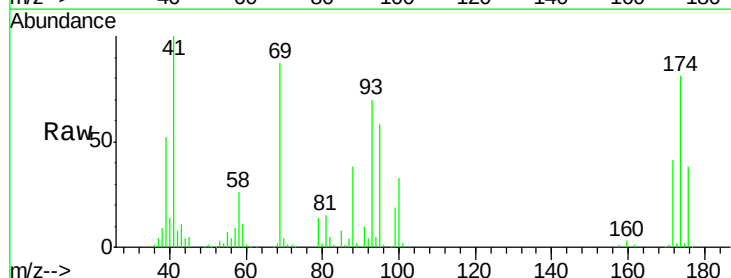
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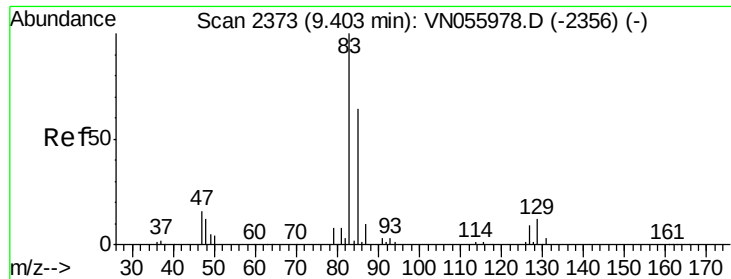
MMDadoda
 6/14/2019 9:36:51 AM



#46
 Dibromomethane
 Concen: 53.882 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056297.D
 Acq: 13 Jun 2019 21:28

Tgt Ion: 93 Resp: 115368
 Ion Ratio Lower Upper
 93 100
 95 82.8 66.7 100.1
 174 113.9 96.4 144.6





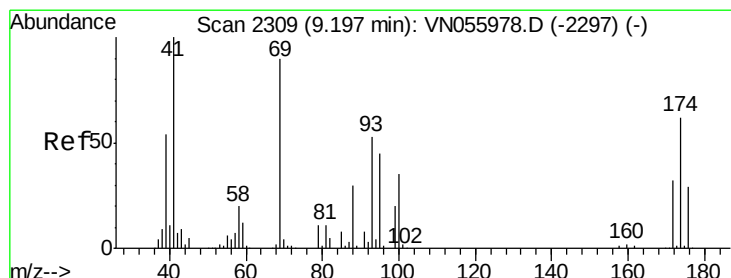
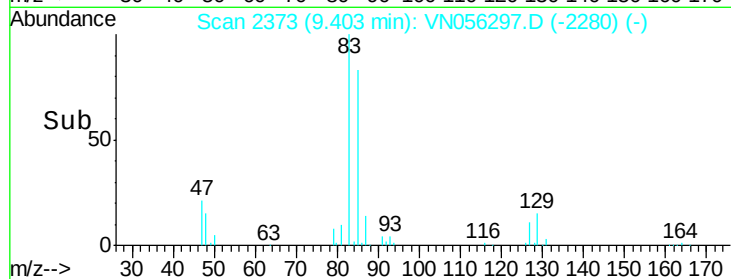
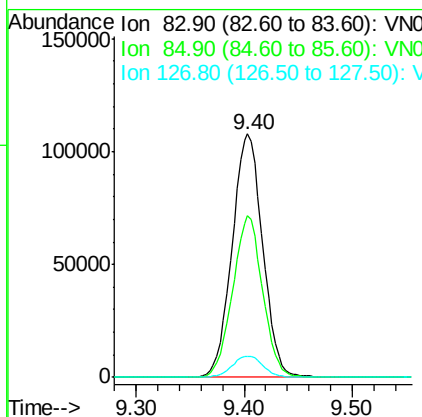
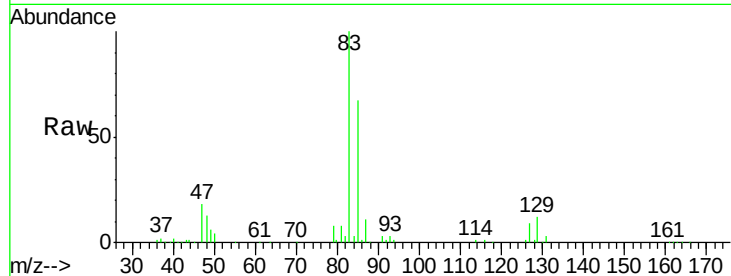
#47
Bromodichloromethane
Concen: 54.814 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN056297.D
Acq: 13 Jun 2019 21:28

Instrument :
MSVOA_N
ClientSampleId :
MW-5_061219MSD

Tot Ion:	83	Resp:	212711
Ion Ratio	Lower	Upper	
83	100		
85	66.6	52.2	78.2
127	8.7	7.4	11.0

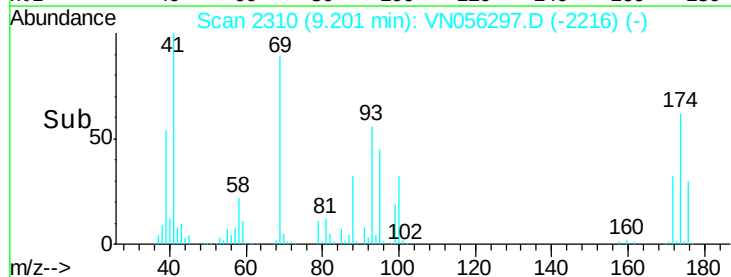
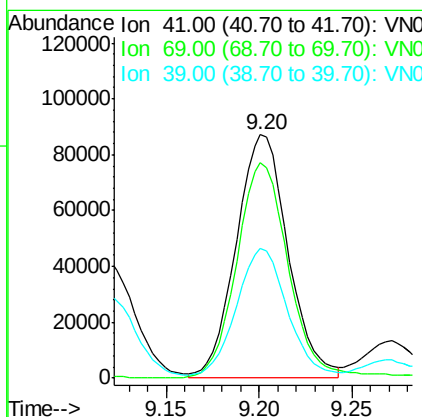
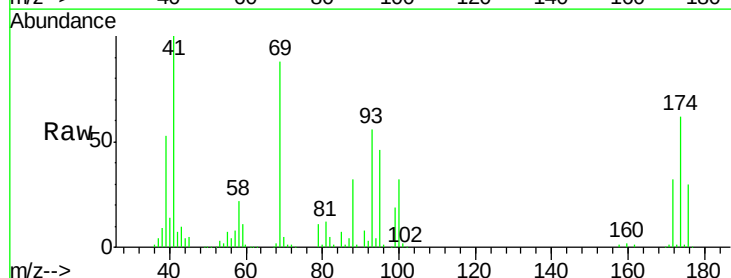
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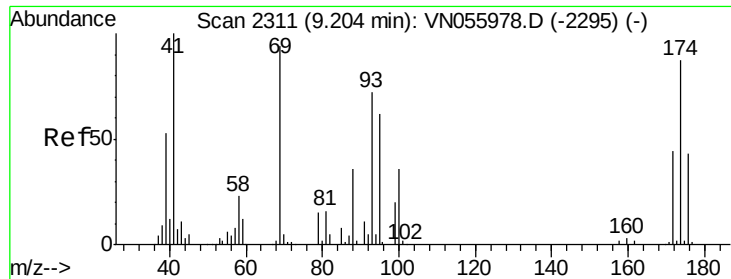
MMDadoda
6/14/2019 9:36:51 AM



#48
Methyl methacrylate
Concen: 57.064 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN056297.D
Acq: 13 Jun 2019 21:28

Tgt Ion:	41	Resp:	169411
Ion Ratio	Lower	Upper	
41	100		
69	88.8	71.0	106.6
39	53.0	44.2	66.2





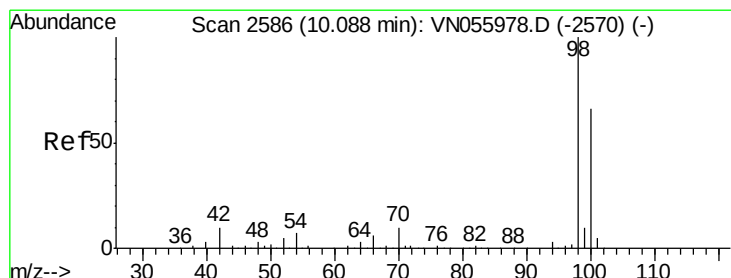
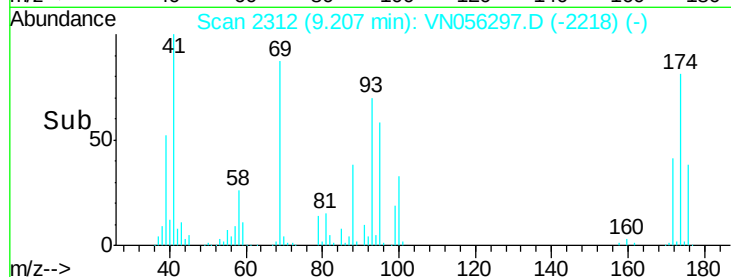
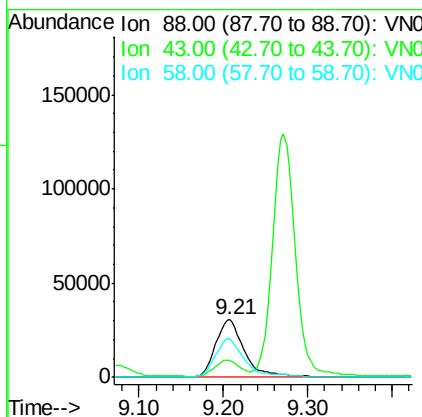
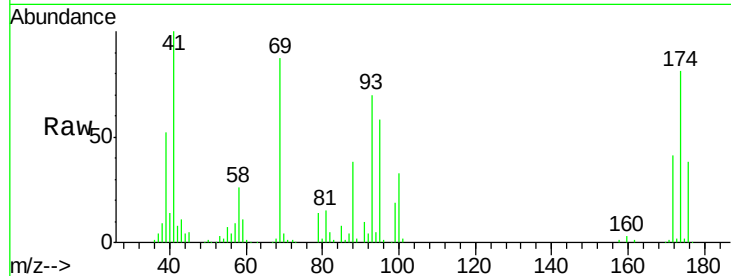
#49
1,4-Dioxane
Concen: 1141.017 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN056297.D
Acq: 13 Jun 2019 21:28

Instrument :
MSVOA_N
ClientSampleId :
MW-5_061219MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	25.1	20.5	30.7
58	65.3	55.8	83.6

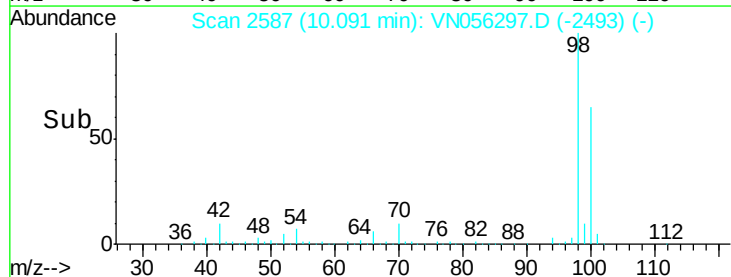
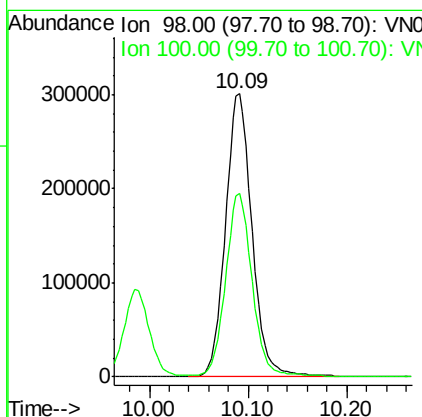
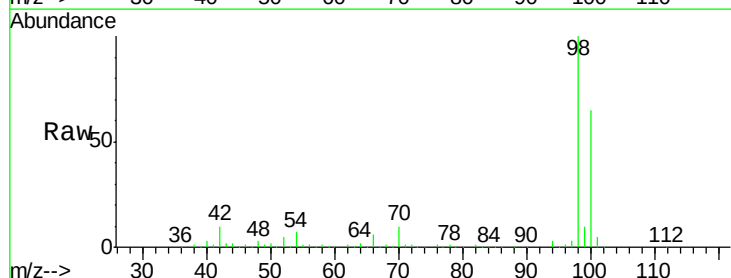
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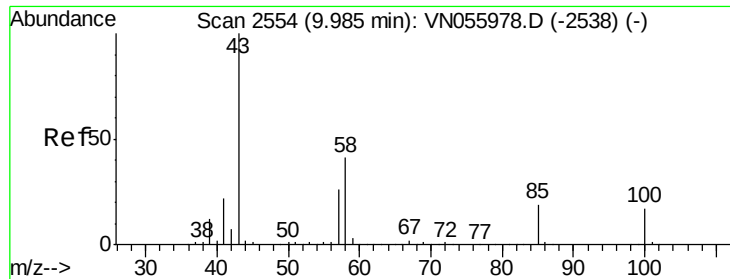
MMDadoda
6/14/2019 9:36:51 AM



#50
Toluene-d8
Concen: 49.141 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056297.D
Acq: 13 Jun 2019 21:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 289.926 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056297.D

Acq: 13 Jun 2019 21:28

Instrument :

MSVOA_N

ClientSampleId :

MW-5_061219MSD

Tot Ion: 43 Resp: 1100220

Ion Ratio Lower Upper

43 100

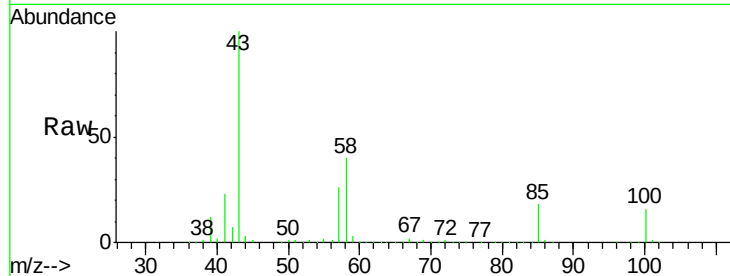
58 39.4 32.1 48.1

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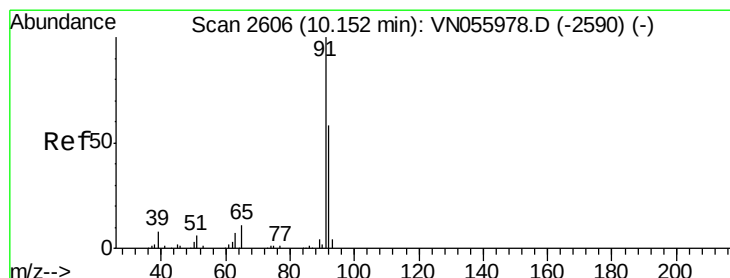
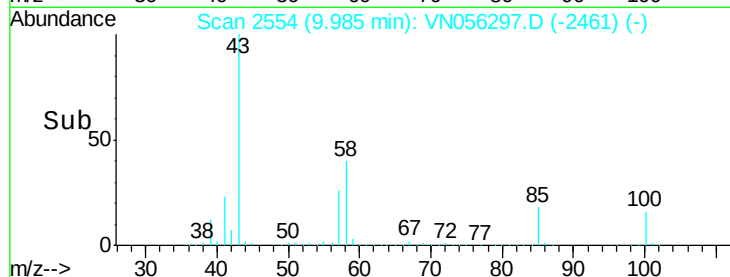
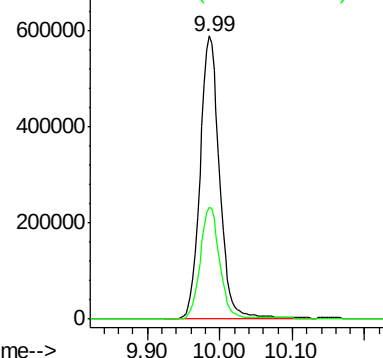
MMDadoda

6/14/2019 9:36:51 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 49.725 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056297.D

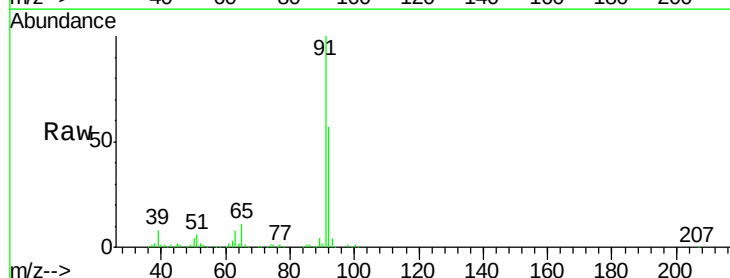
Acq: 13 Jun 2019 21:28

Tgt Ion: 92 Resp: 395529

Ion Ratio Lower Upper

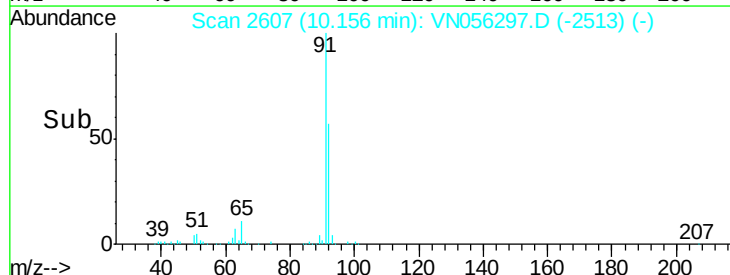
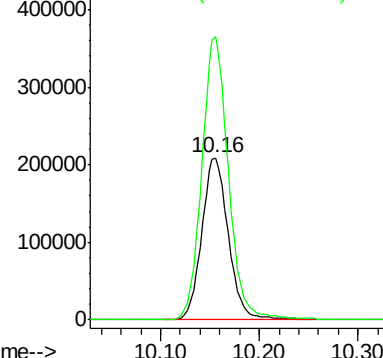
92 100

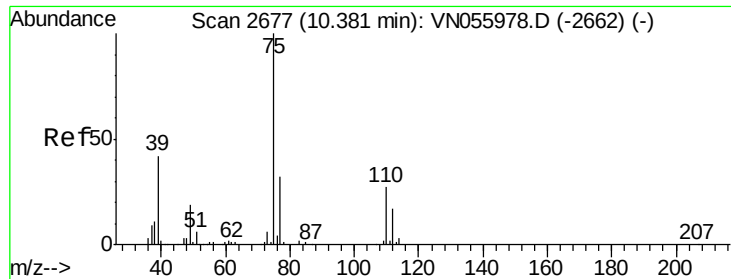
91 174.4 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





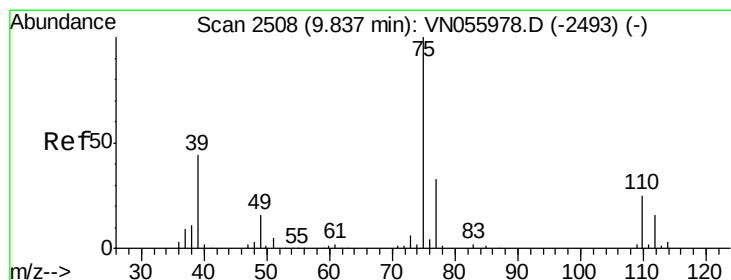
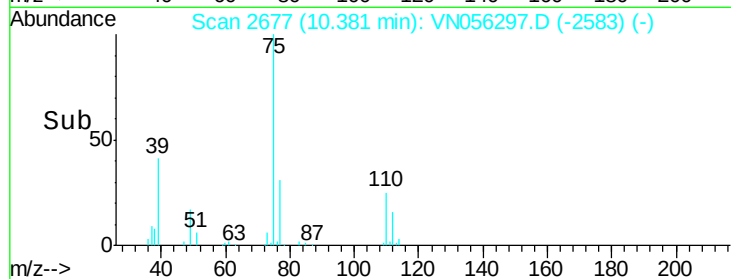
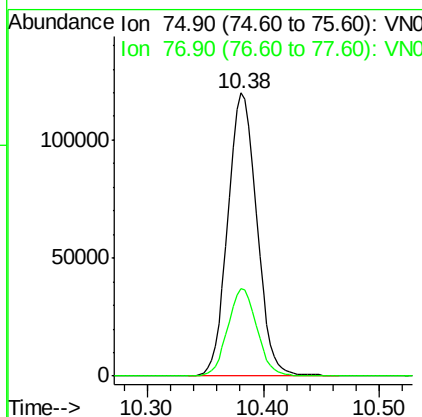
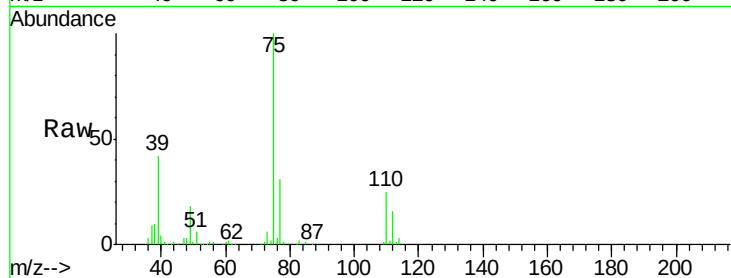
#53
t-1,3-Dichloropropene
Concen: 45.766 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056297.D
Acq: 13 Jun 2019 21:28

Instrument :
MSVOA_N
ClientSampleId :
MW-5_061219MSD

Tot Ion: 75 Resp: 207254
Ion Ratio Lower Upper
75 100
77 30.6 25.8 38.6

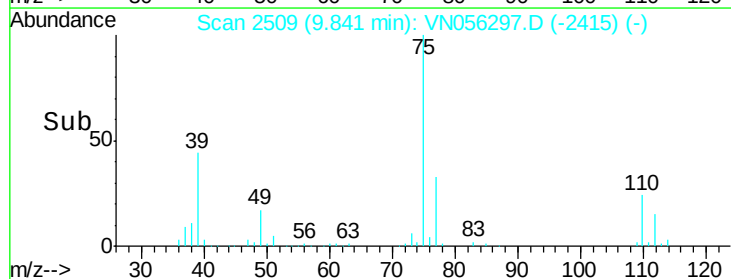
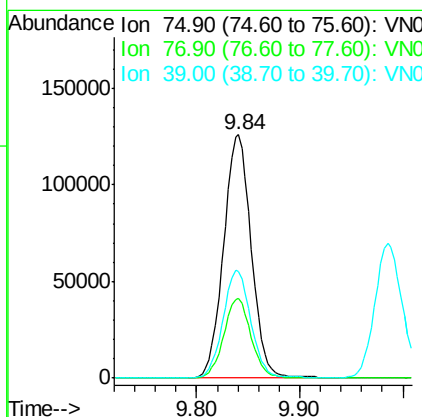
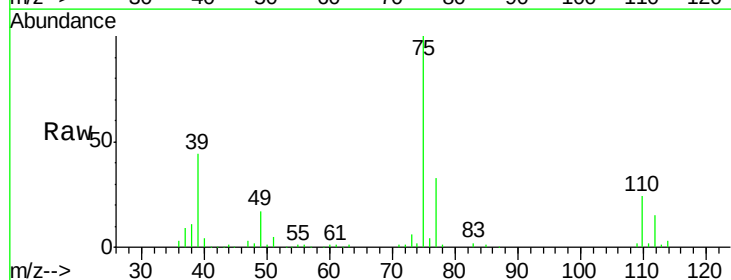
Manual Integrations
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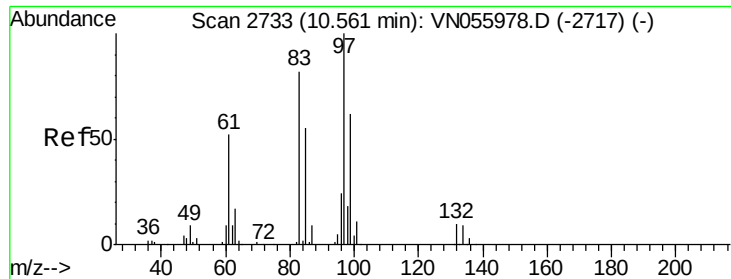
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 50.499 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN056297.D
Acq: 13 Jun 2019 21:28

Tgt Ion: 75 Resp: 235557
Ion Ratio Lower Upper
75 100
77 32.7 25.4 38.0
39 44.0 36.3 54.5





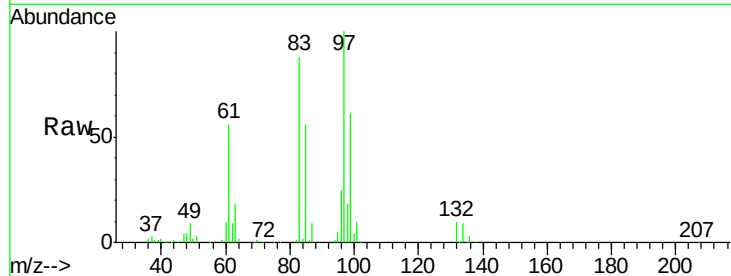
#55
 1,1,2-Trichloroethane
 Concen: 53.260 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056297.D
 Acq: 13 Jun 2019 21:28

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5_061219MSD

Tot Ion:	97	Resp:	167816
Ion	Ratio	Lower	Upper
97	100		
83	87.5	67.0	100.6
85	55.6	44.0	66.0
99	61.2	50.6	75.8

Manual Integrations
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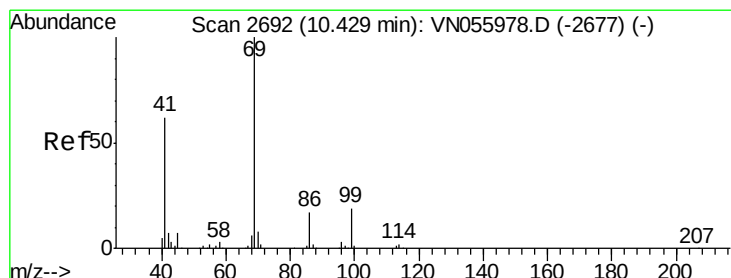
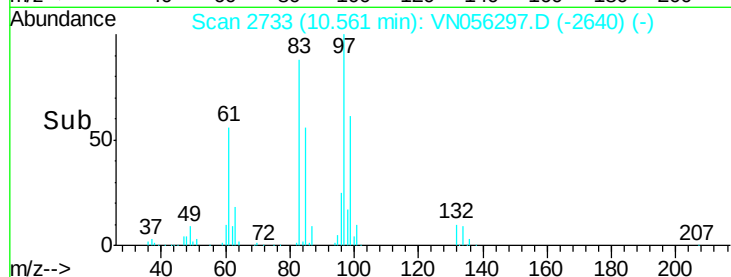
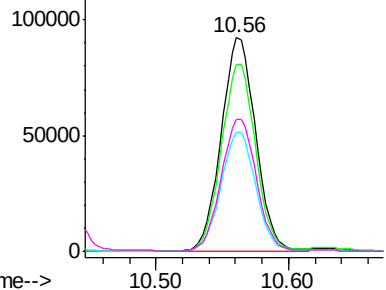


Abundance Ion 96.90 (96.60 to 97.60): VN056297.D (-2640) (-)

Ion 82.90 (82.60 to 83.60): VN056297.D (-2640) (-)

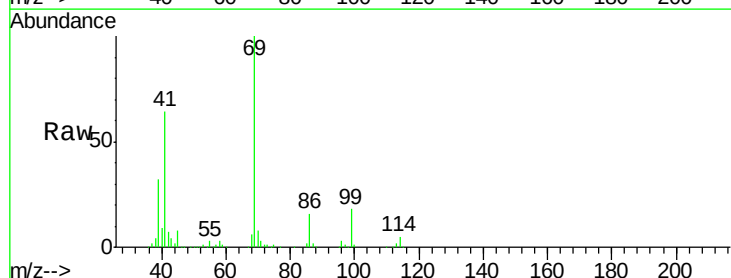
Ion 84.90 (84.60 to 85.60): VN056297.D (-2640) (-)

Ion 98.90 (98.60 to 99.60): VN056297.D (-2640) (-)



#56
 Ethyl methacrylate
 Concen: 55.000 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN056297.D
 Acq: 13 Jun 2019 21:28

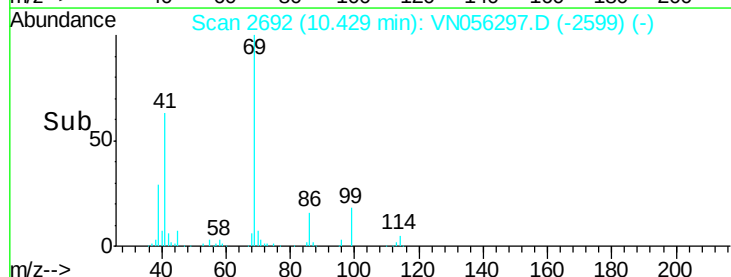
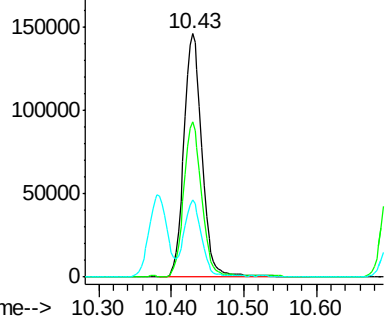
Tgt Ion:	69	Resp:	252820
Ion	Ratio	Lower	Upper
69	100		
41	62.4	49.7	74.5
39	30.1	24.7	37.1

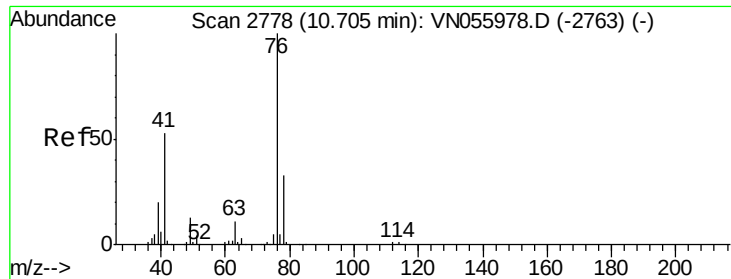


Abundance Ion 69.00 (68.70 to 69.70): VN056297.D (-2599) (-)

Ion 41.00 (40.70 to 41.70): VN056297.D (-2599) (-)

Ion 39.00 (38.70 to 39.70): VN056297.D (-2599) (-)





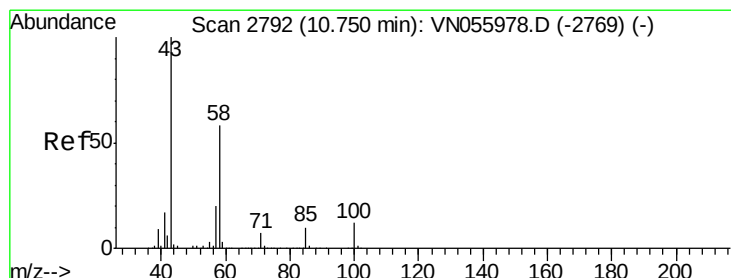
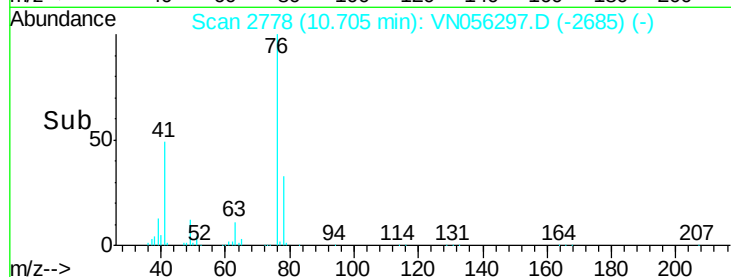
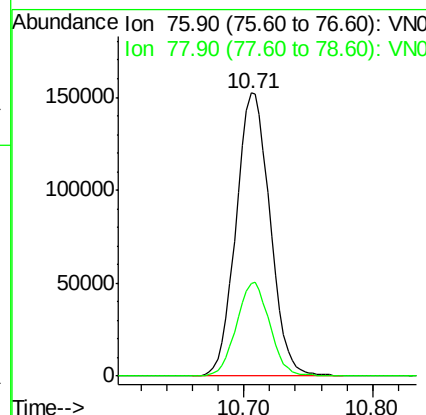
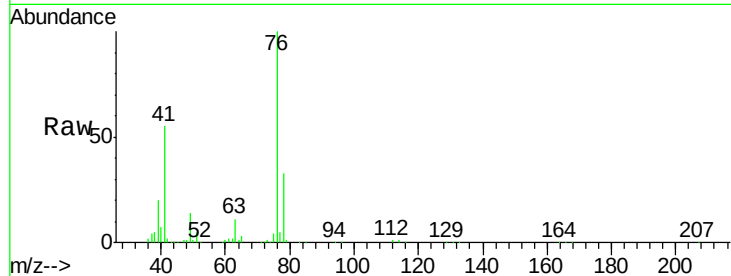
#57
 1,3-Dichloropropane
 Concen: 54.594 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN056297.D
 Acq: 13 Jun 2019 21:28

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5_061219MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.8	38.6

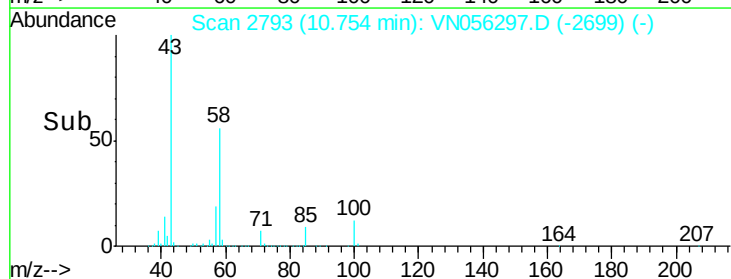
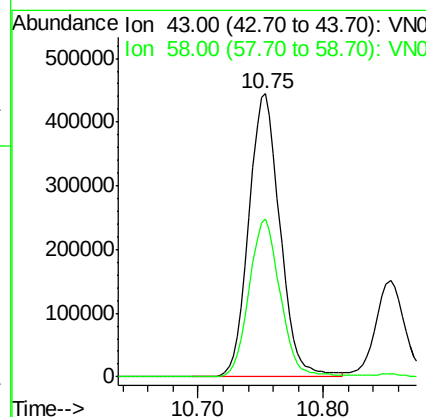
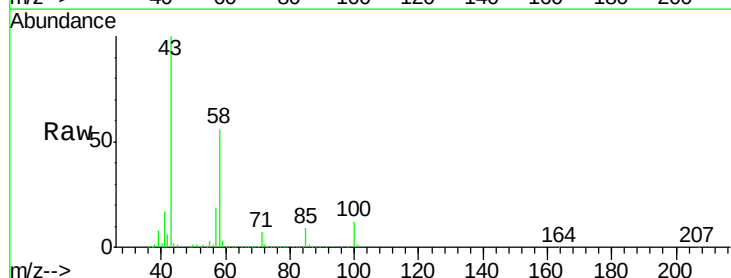
Manual Integrations
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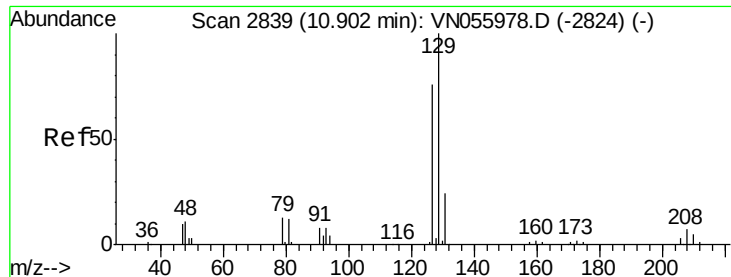
MMDadoda
 6/14/2019 9:36:51 AM



#59
 2-Hexanone
 Concen: 278.477 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.00 min
 Lab File: VN056297.D
 Acq: 13 Jun 2019 21:28

Tgt Ion	Ratio	Lower	Upper
43	100		
58	55.7	28.2	84.7





#60

Dibromochloromethane

Concen: 50.134 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056297.D

Acq: 13 Jun 2019 21:28

Instrument :

MSVOA_N

ClientSampleId :

MW-5_061219MSD

Tot Ion:129 Resp: 174245

Ion Ratio Lower Upper

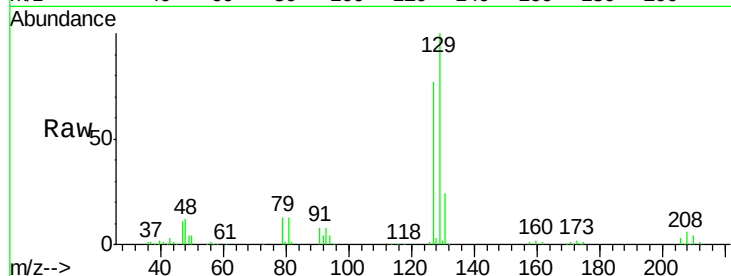
129 100

127 76.8 38.1 114.3

Manual Integrations
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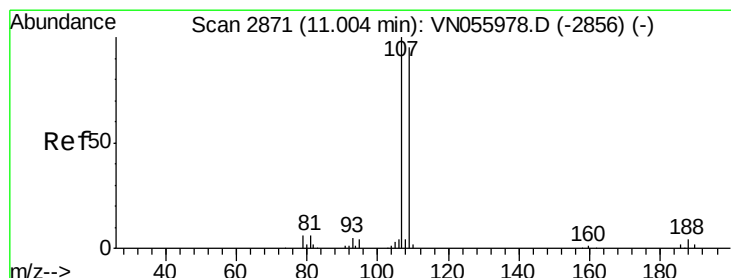
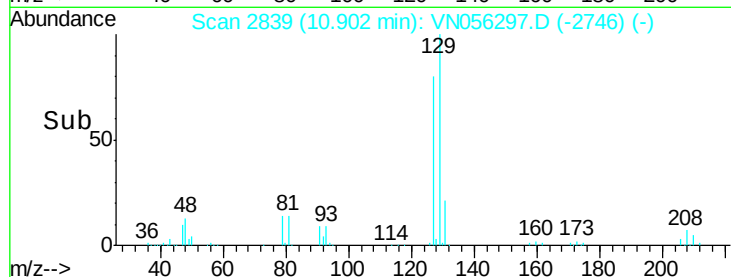
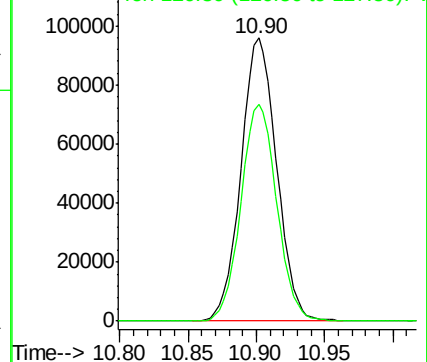
MMDadoda

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 53.675 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056297.D

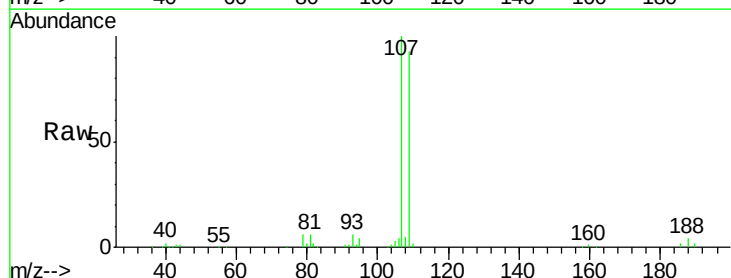
Acq: 13 Jun 2019 21:28

Tgt Ion:107 Resp: 172893

Ion Ratio Lower Upper

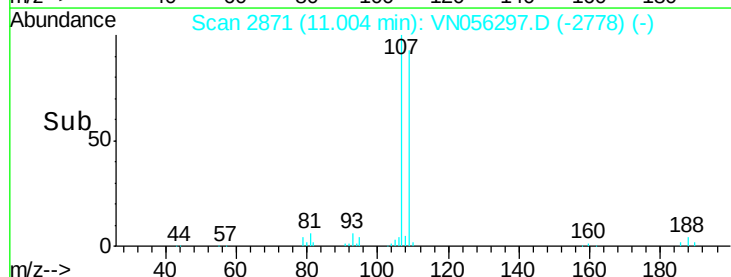
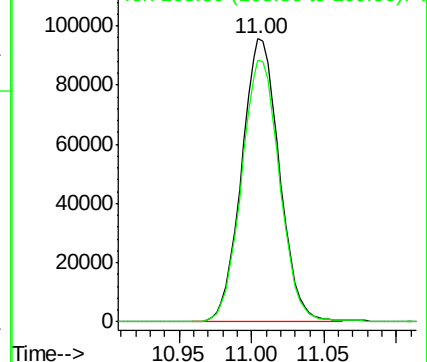
107 100

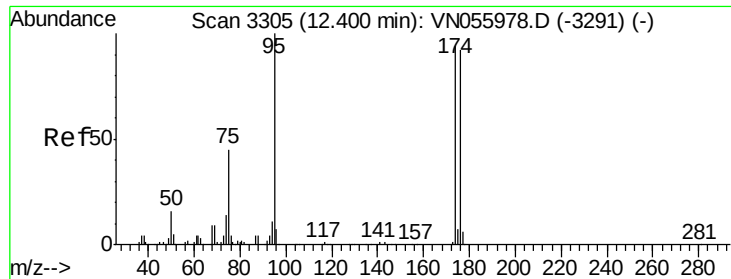
109 93.7 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





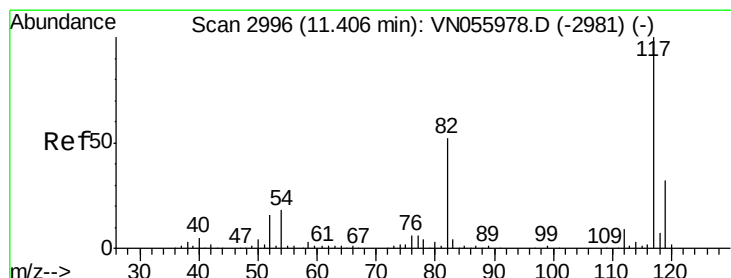
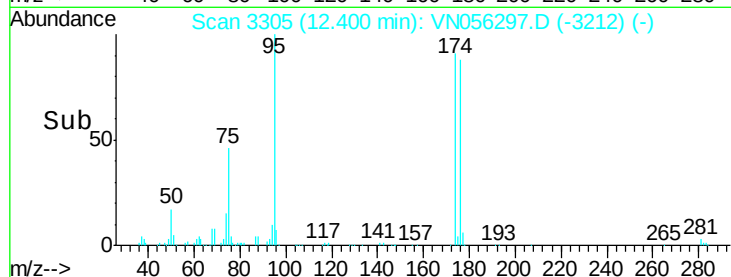
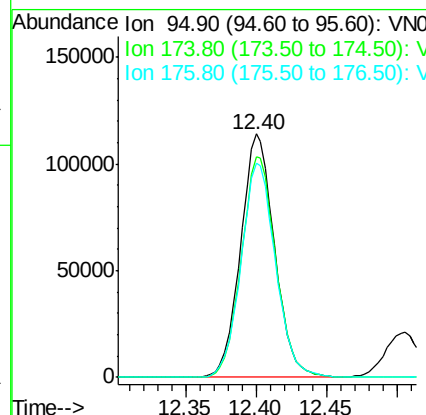
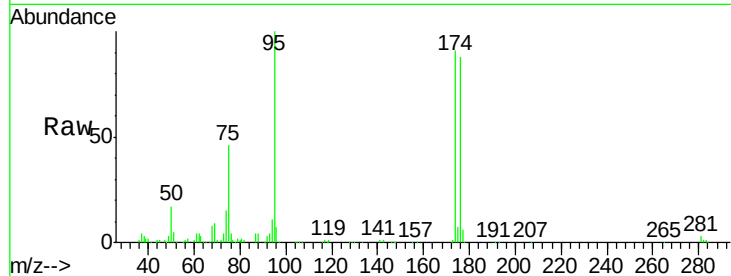
#62
4-Bromofluorobenzene
Concen: 48.838 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056297.D
Acq: 13 Jun 2019 21:28

Instrument :
MSVOA_N
ClientSampleId :
MW-5_061219MSD

Tot Ion	Ratio	Lower	Upper
95	100		
174	92.2	0.0	191.0
176	89.6	0.0	185.2

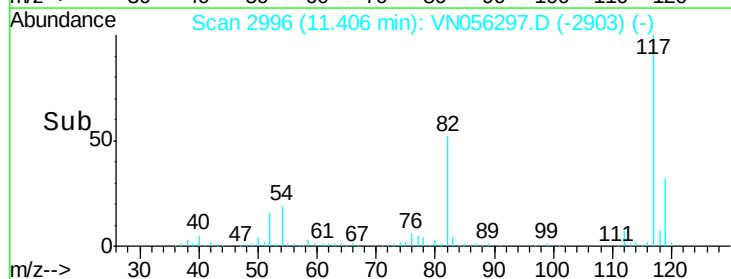
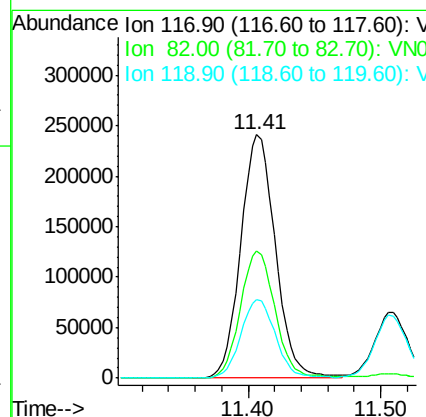
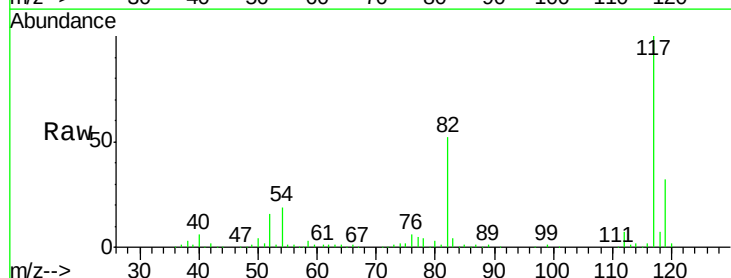
Manual Integrations
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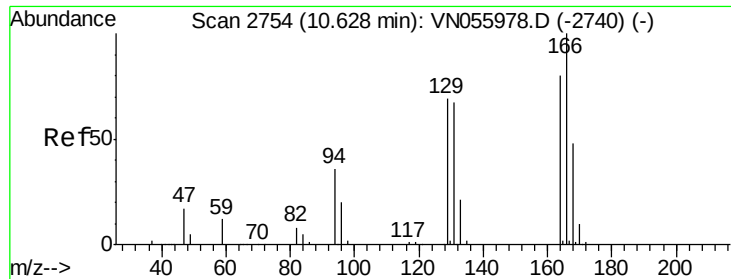
MMDadoda
6/14/2019 9:36:51 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056297.D
Acq: 13 Jun 2019 21:28

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.4	41.8	62.8
119	32.3	25.4	38.0





#64

Tetrachloroethene

Concen: 41.401 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056297.D

Acq: 13 Jun 2019 21:28

Instrument :

MSVOA_N

ClientSampleId :

MW-5_061219MSD

Tot Ion:164 Resp: 156931

Ion Ratio Lower Upper

164 100

166 126.7 103.0 154.6

129 89.1 70.6 105.8

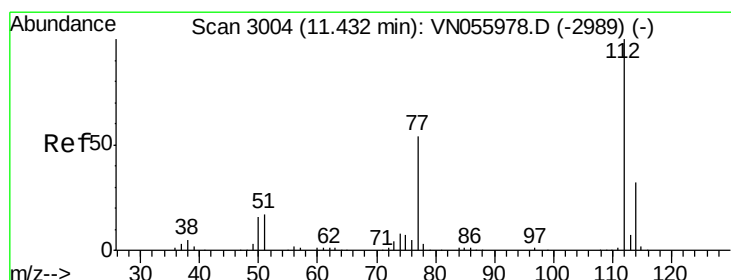
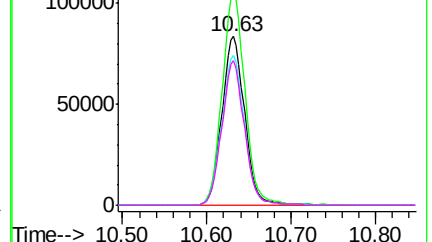
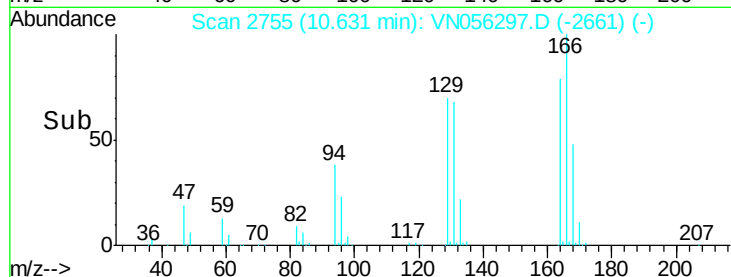
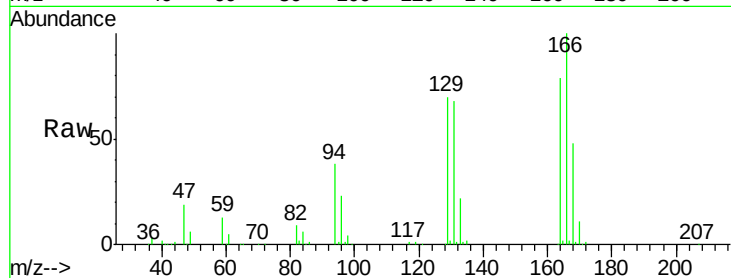
131 85.5 68.6 102.8

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#65

Chlorobenzene

Concen: 49.643 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056297.D

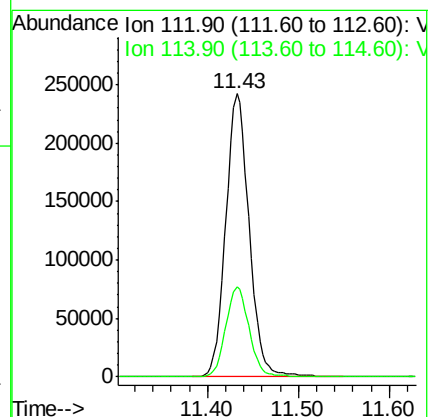
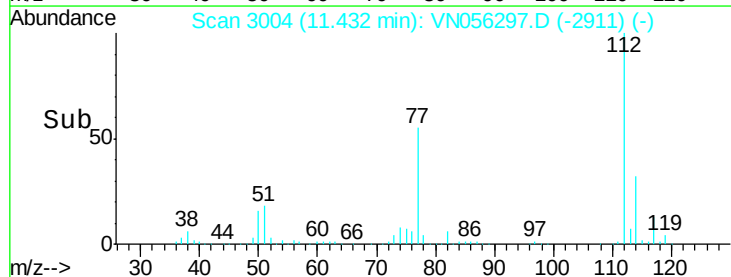
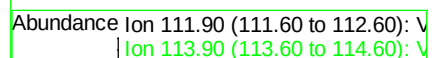
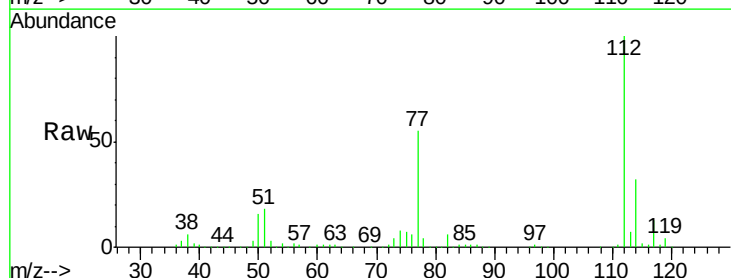
Acq: 13 Jun 2019 21:28

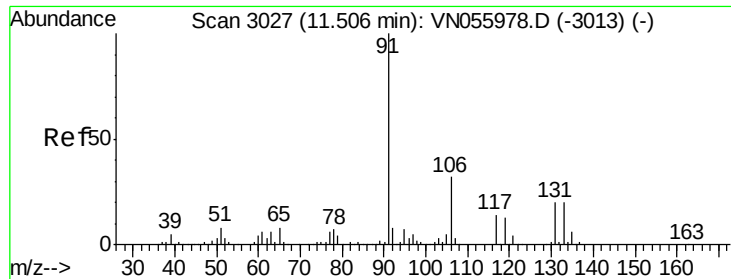
Tgt Ion:112 Resp: 432645

Ion Ratio Lower Upper

112 100

114 31.7 26.2 39.4





#66

1,1,1,2-Tetrachloroethane

Concen: 54.167 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN056297.D

Acq: 13 Jun 2019 21:28

Instrument :

MSVOA_N

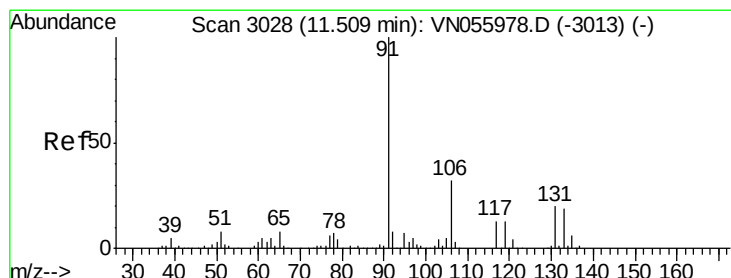
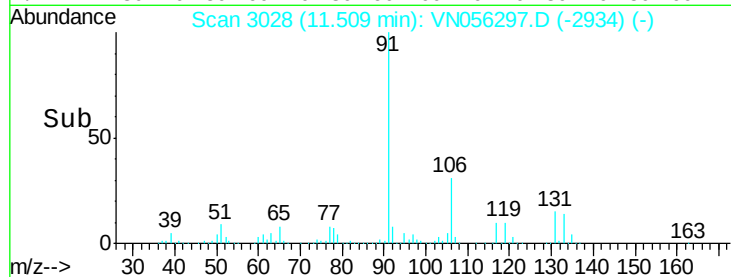
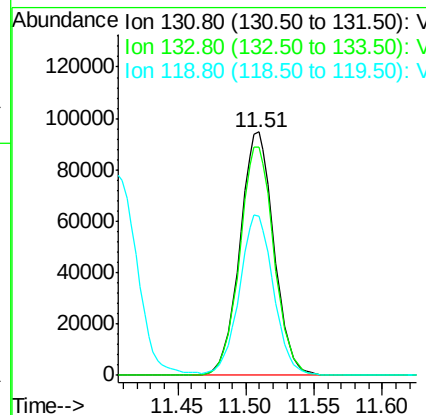
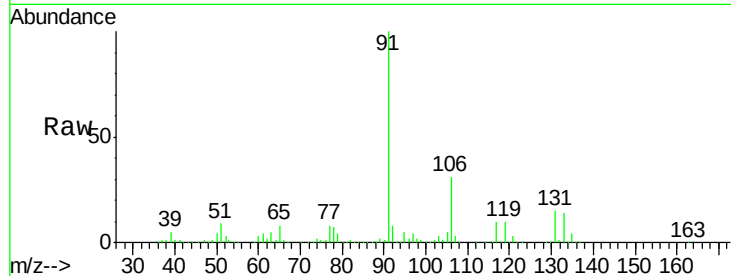
ClientSampleId :

MW-5_061219MSD

Tot Ion	Ratio	Lower	Upper
131	100		
133	94.8	48.0	144.0
119	66.4	33.1	99.5

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#67

Ethyl Benzene

Concen: 70.914 ug/l

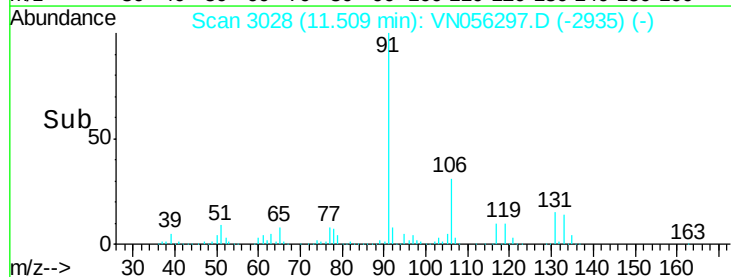
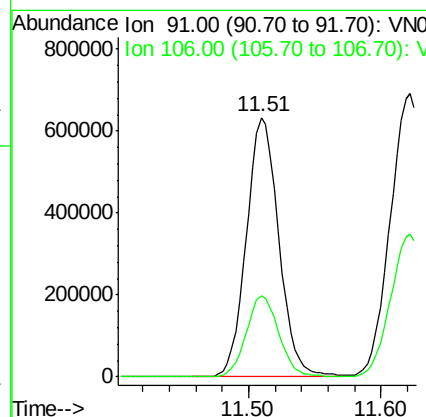
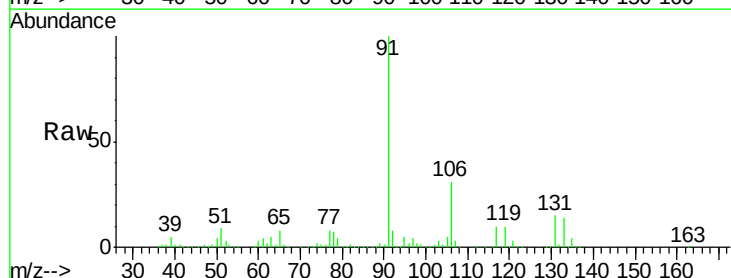
RT: 11.51 min Scan# 3028

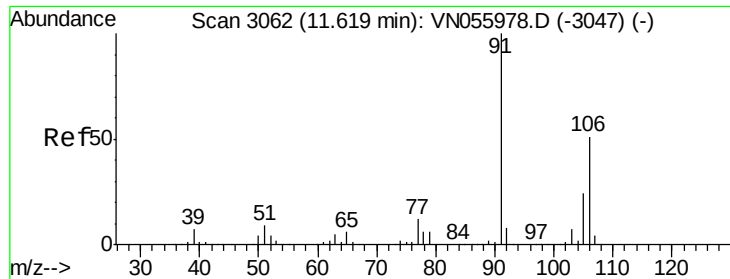
Delta R.T. -0.00 min

Lab File: VN056297.D

Acq: 13 Jun 2019 21:28

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.4	25.1	37.7





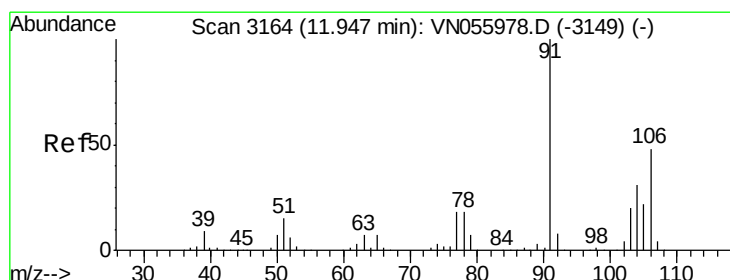
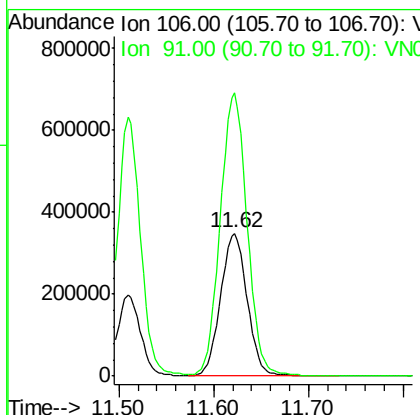
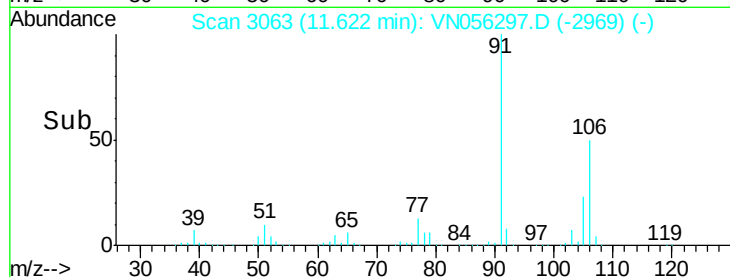
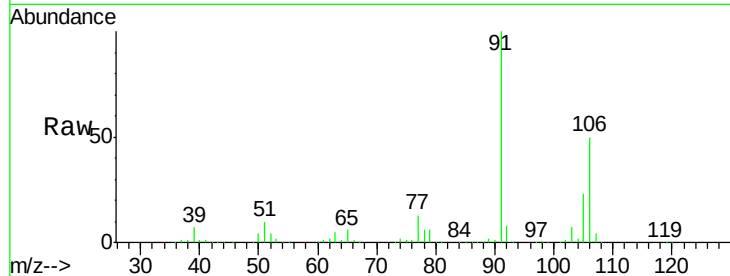
#68
m/p-Xylenes
Concen: 117.974 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN056297.D
Acq: 13 Jun 2019 21:28

Instrument :
MSVOA_N
ClientSampleId :
MW-5_061219MSD

Tot Ion:106 Resp: 682954
Ion Ratio Lower Upper
106 100
91 199.7 159.3 238.9

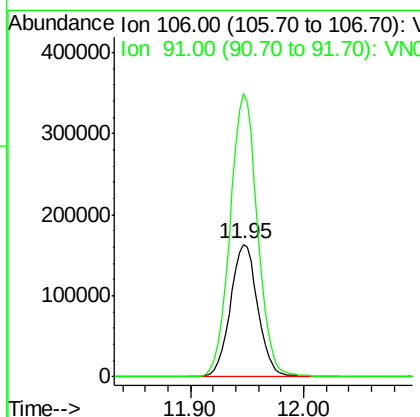
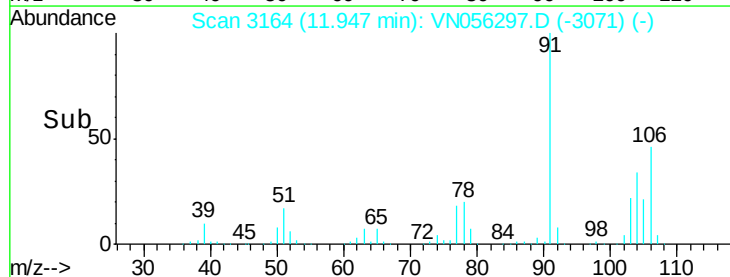
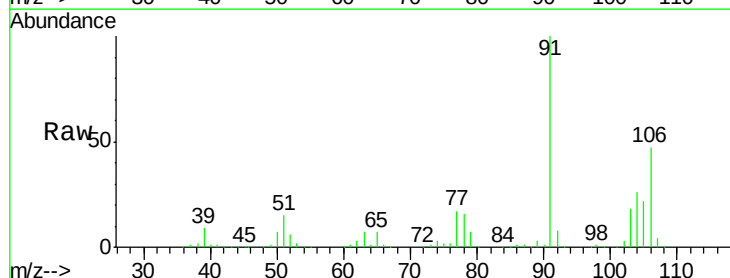
Manual Integrations
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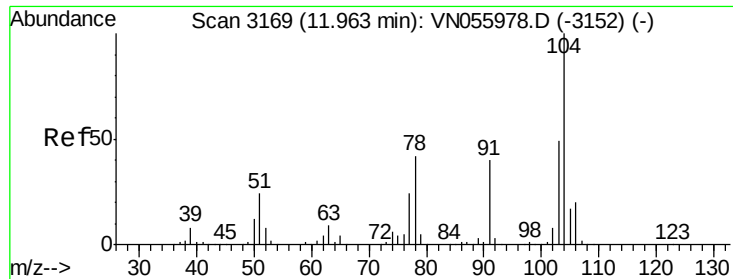
MMDadoda
6/14/2019 9:36:51 AM



#69
o-Xylene
Concen: 48.429 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056297.D
Acq: 13 Jun 2019 21:28

Tgt Ion:106 Resp: 275778
Ion Ratio Lower Upper
106 100
91 213.2 104.7 314.1





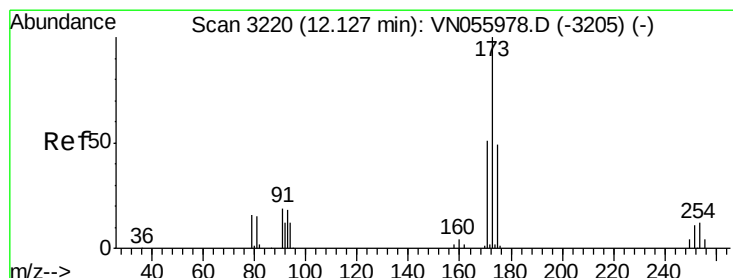
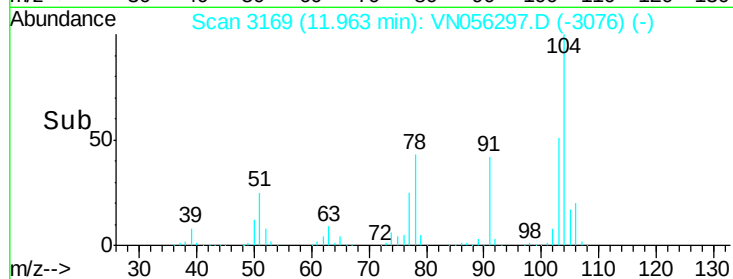
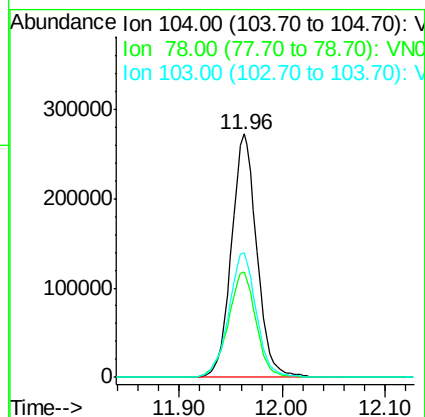
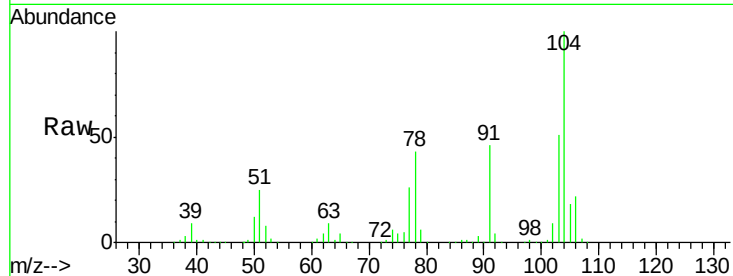
#70
Stvrene
Concen: 51.605 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056297.D
Acq: 13 Jun 2019 21:28

Instrument :
MSVOA_N
ClientSampleId :
MW-5_061219MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.5	37.8	56.6
103	55.5	44.2	66.2

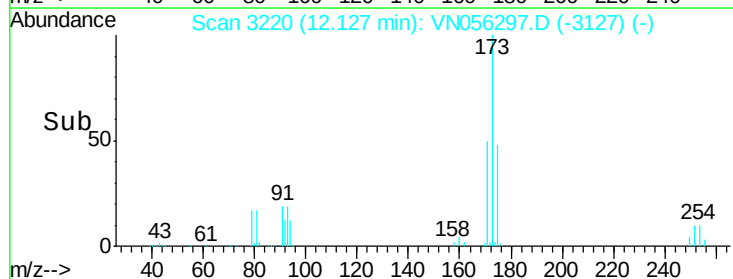
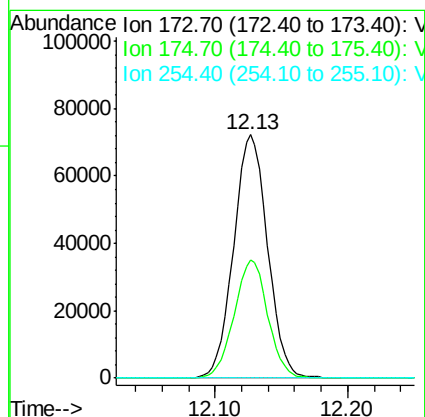
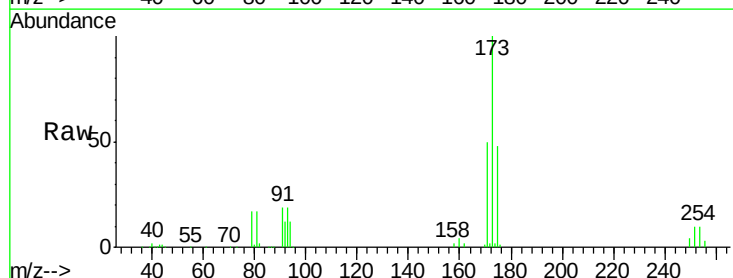
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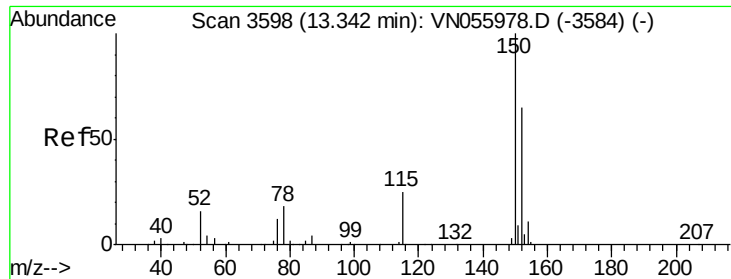
MMDadoda
6/14/2019 9:36:51 AM



#71
Bromoform
Concen: 50.699 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056297.D
Acq: 13 Jun 2019 21:28

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.3	72.8
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN056297.D

Acq: 13 Jun 2019 21:28

Instrument :

MSVOA_N

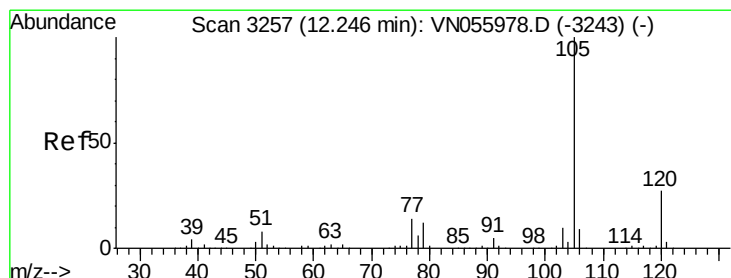
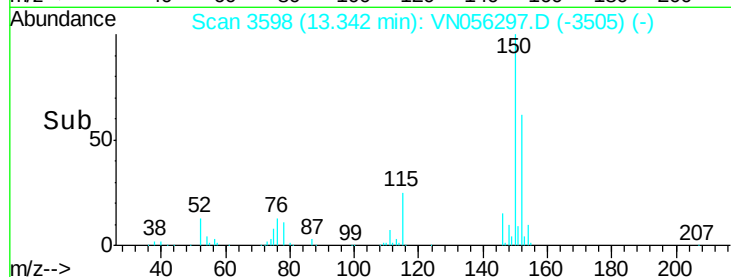
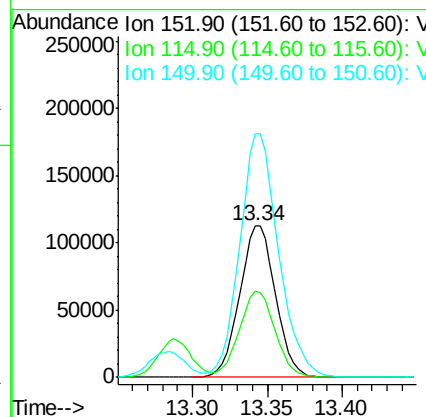
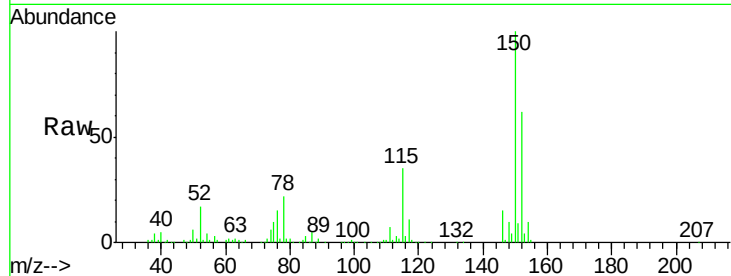
ClientSampleId :

MW-5_061219MSD

Tot Ion:	152	Resp:	187702
Ion Ratio	Lower	Upper	
152	100		
115	56.8	27.0	81.0
150	174.3	0.0	343.2

Manual Integrations
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#73

Isopropylbenzene

Concen: 60.889 ug/l

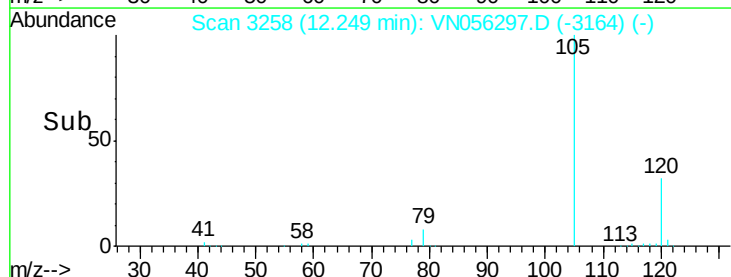
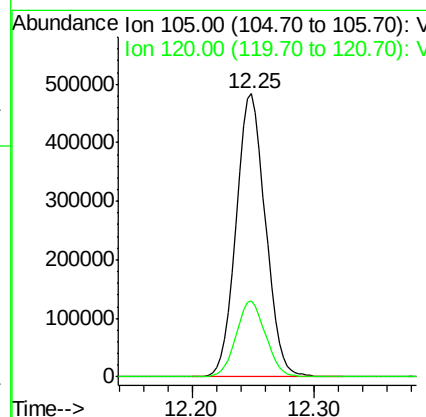
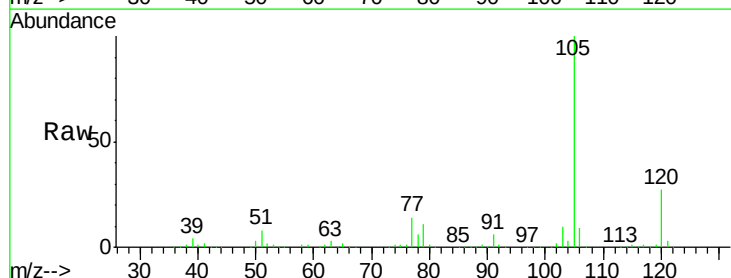
RT: 12.25 min Scan# 3258

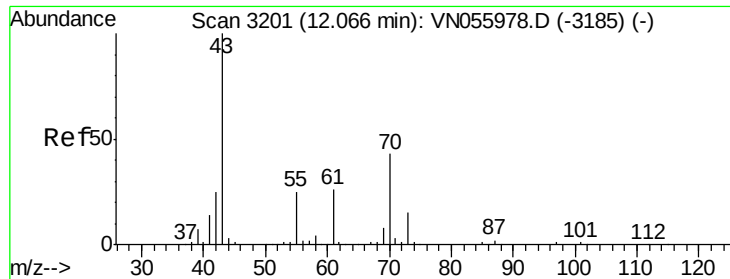
Delta R.T. 0.00 min

Lab File: VN056297.D

Acq: 13 Jun 2019 21:28

Tgt Ion:	105	Resp:	807609
Ion Ratio	Lower	Upper	
105	100		
120	27.0	13.6	40.7





#74

N-amvl acetate

Concen: 46.142 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056297.D

Acq: 13 Jun 2019 21:28

Instrument :

MSVOA_N

ClientSampleId :

MW-5_061219MSD

Tot Ion: 43 Resp: 230869

Ion Ratio Lower Upper

43 100

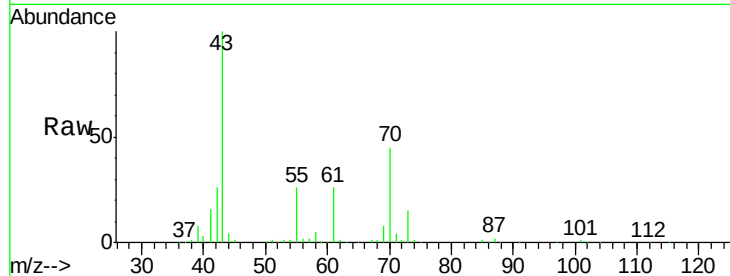
70 43.8 34.0 51.0

55 25.5 18.6 28.0

61 25.2 20.0 30.0

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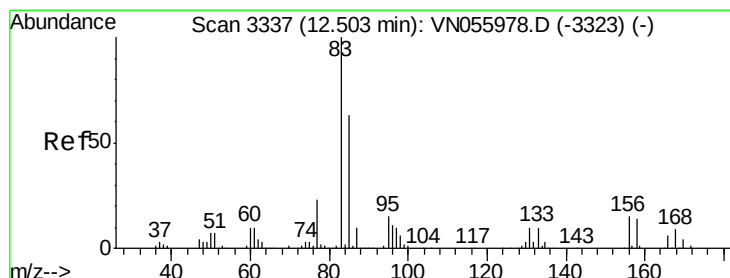
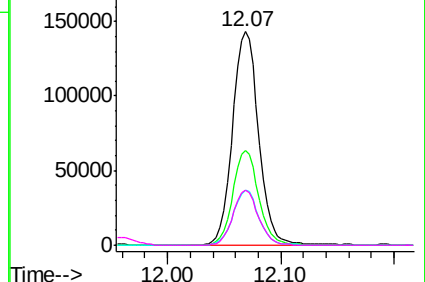
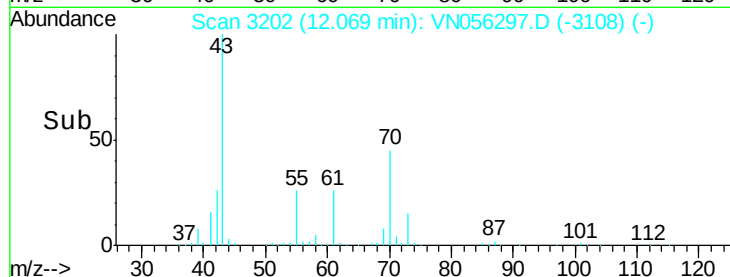


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 54.945 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056297.D

Acq: 13 Jun 2019 21:28

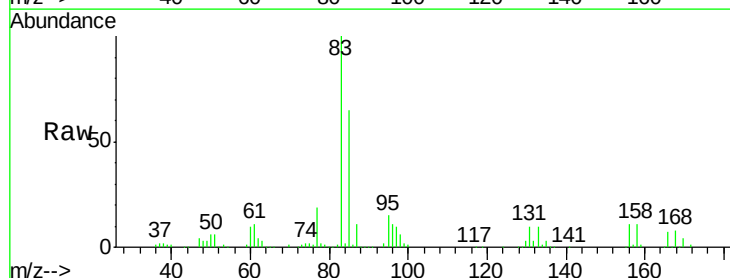
Tgt Ion: 83 Resp: 239417

Ion Ratio Lower Upper

83 100

131 10.5 5.4 16.2

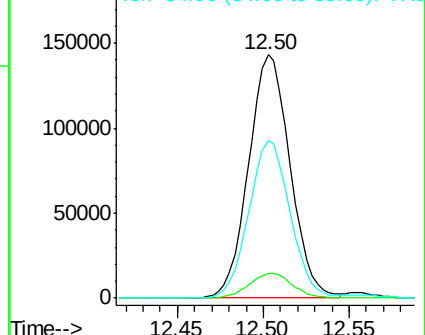
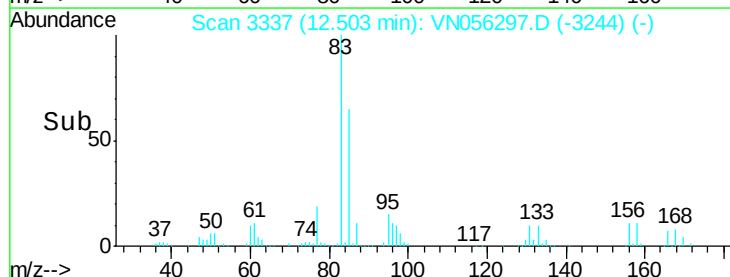
85 64.6 32.4 97.0

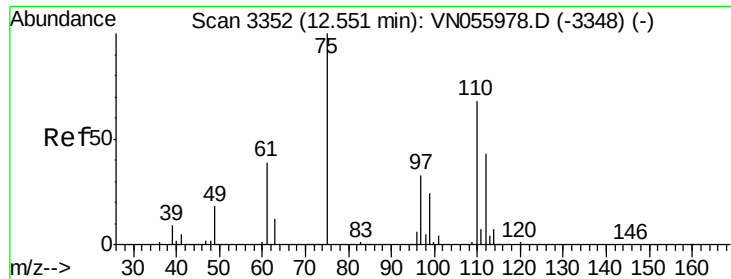


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0





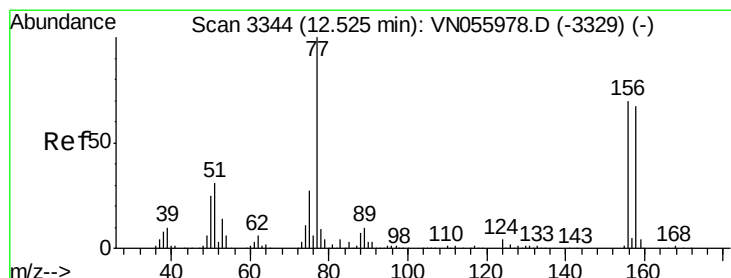
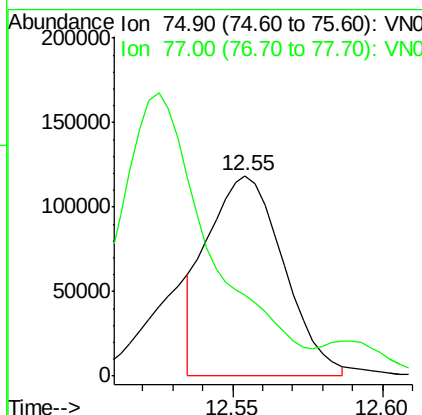
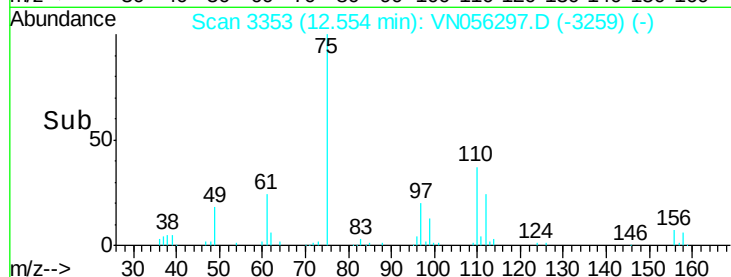
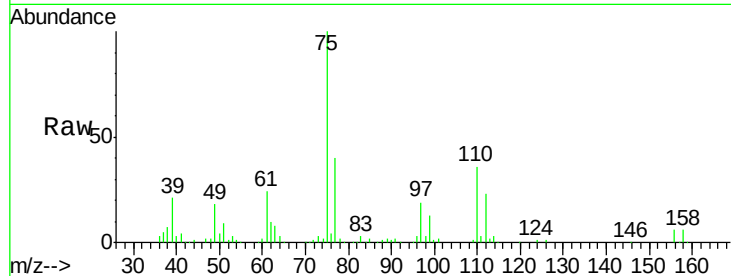
#76
 1,2,3-Trichloropropane
 Concen: 60.063 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN056297.D
 Acq: 13 Jun 2019 21:28

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5_061219MSD

Tot Ion: 75 Resp: 207444
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

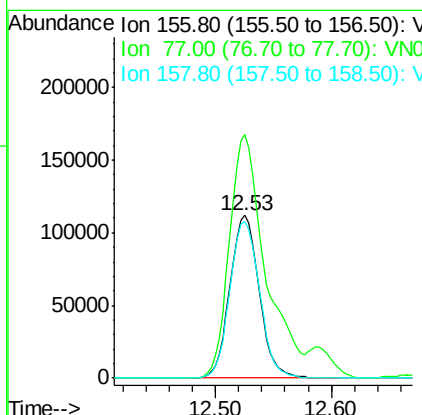
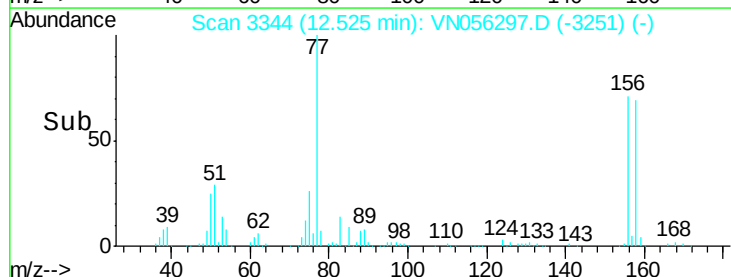
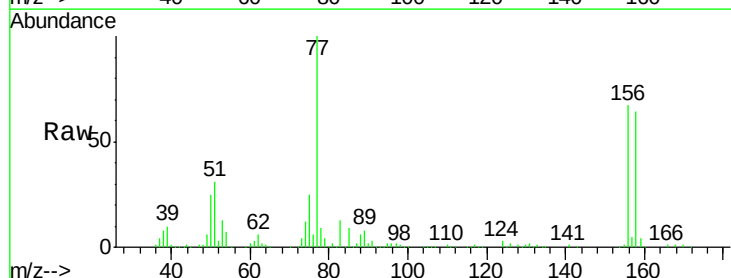
Manual Integrations
 APPROVED

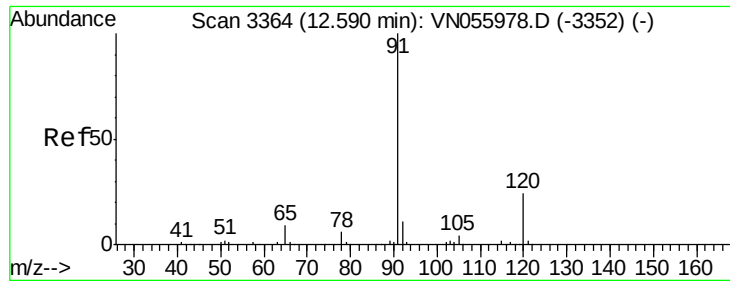
MMDadoda
 6/14/2019 9:36:51 AM



#77
 Bromobenzene
 Concen: 48.633 ug/l
 RT: 12.53 min Scan# 3344
 Delta R.T. -0.00 min
 Lab File: VN056297.D
 Acq: 13 Jun 2019 21:28

Tgt Ion: 156 Resp: 195441
 Ion Ratio Lower Upper
 156 100
 77 184.0 90.8 272.5
 158 97.7 49.3 147.8





#78

n-propylbenzene

Concen: 54.467 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056297.D

Acq: 13 Jun 2019 21:28

Instrument :

MSVOA_N

ClientSampleId :

MW-5_061219MSD

Tot Ion: 91 Resp: 864907

Ion Ratio Lower Upper

91 100

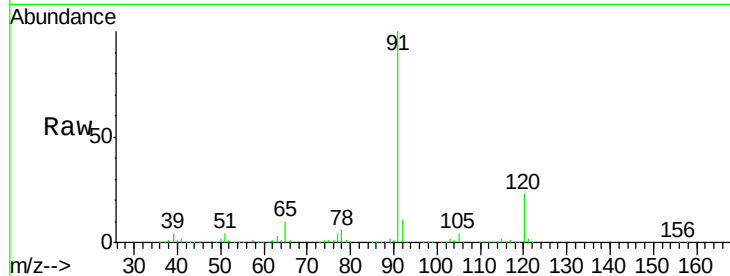
120 23.7 12.0 36.0

Manual Integrations

APPROVED

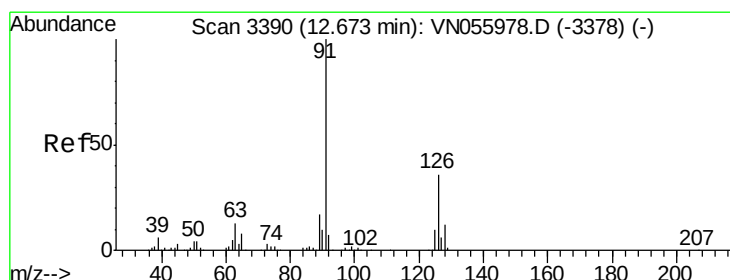
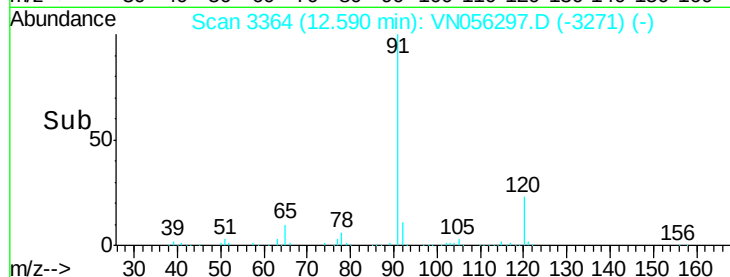
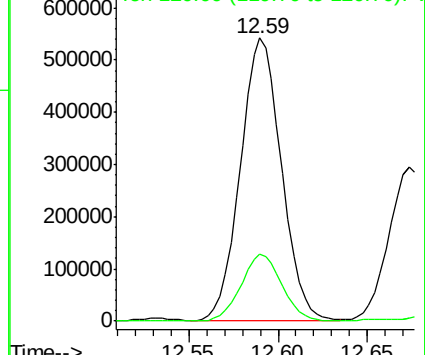
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 56.032 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056297.D

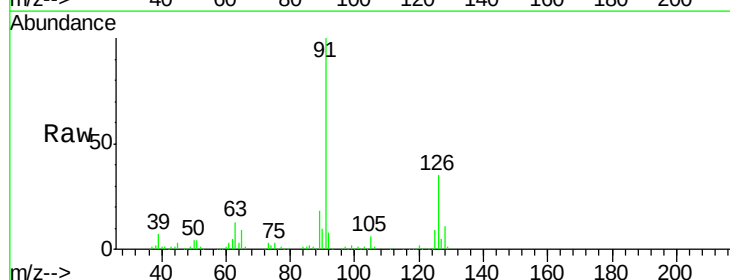
Acq: 13 Jun 2019 21:28

Tgt Ion: 91 Resp: 491050

Ion Ratio Lower Upper

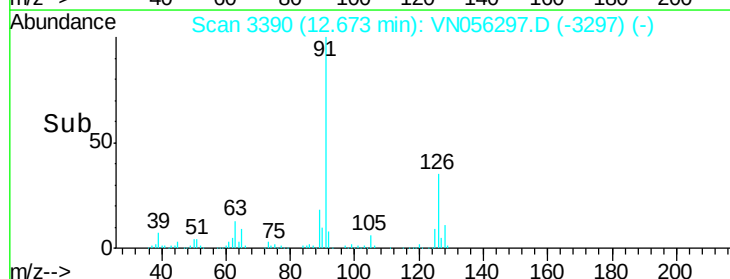
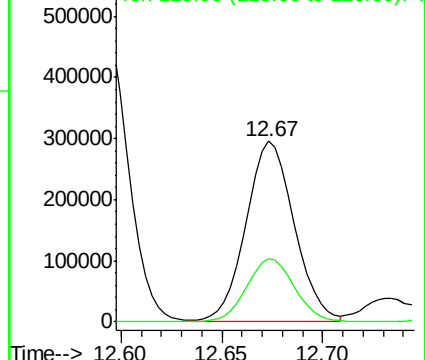
91 100

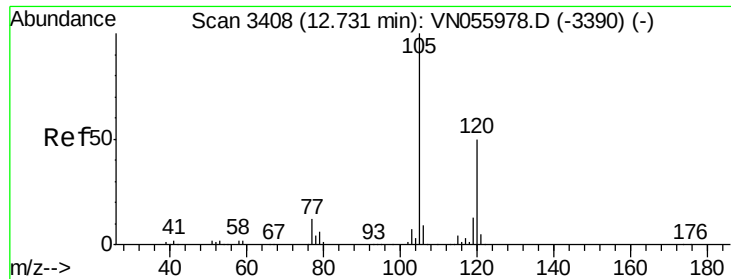
126 35.4 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 49.803 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056297.D

Acq: 13 Jun 2019 21:28

Instrument :

MSVOA_N

ClientSampleId :

MW-5_061219MSD

Tot Ion:105 Resp: 628529

Ion Ratio Lower Upper

105 100

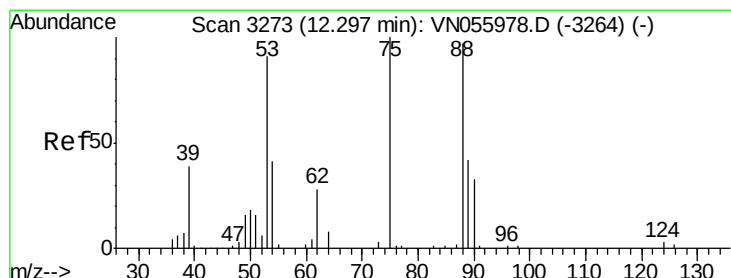
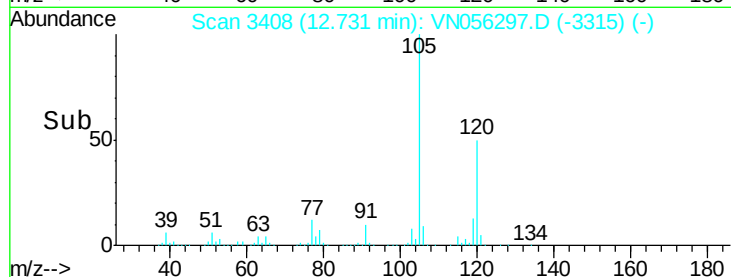
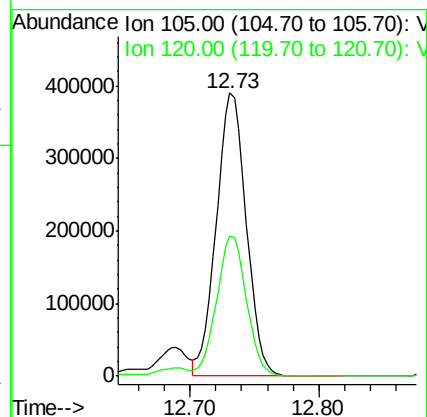
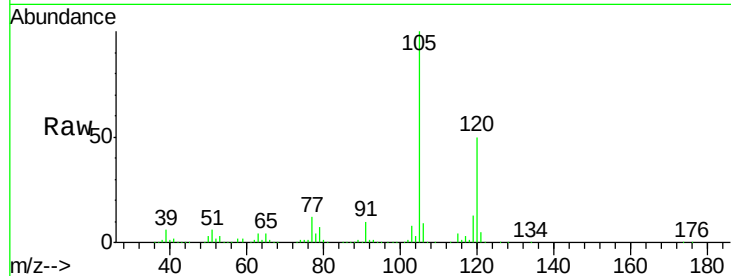
120 49.8 24.7 74.1

Manual Integrations

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#81

trans-1,4-Dichloro-2-butene

Concen: 50.334 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056297.D

Acq: 13 Jun 2019 21:28

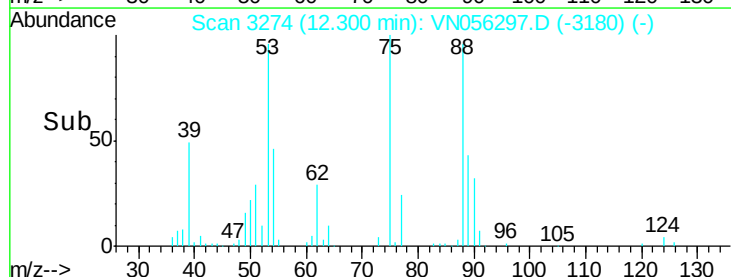
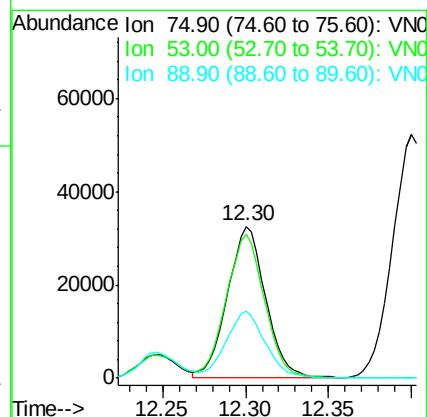
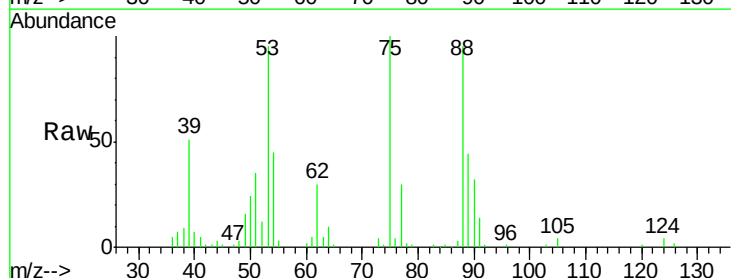
Tgt Ion: 75 Resp: 52202

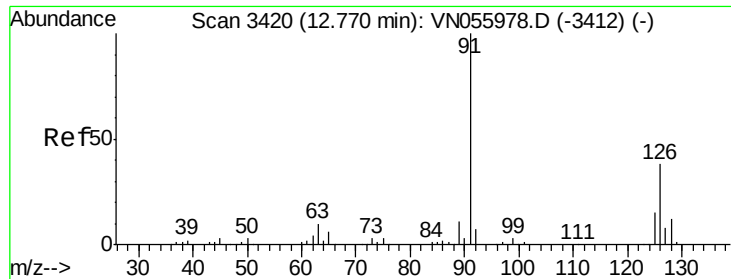
Ion Ratio Lower Upper

75 100

53 95.5 68.1 102.1

89 45.2 36.9 55.3





#82

4-Chlorotoluene

Concen: 50.069 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056297.D

Acq: 13 Jun 2019 21:28

Instrument :

MSVOA_N

ClientSampleId :

MW-5_061219MSD

Tot Ion: 91 Resp: 465147

Ion Ratio Lower Upper

91 100

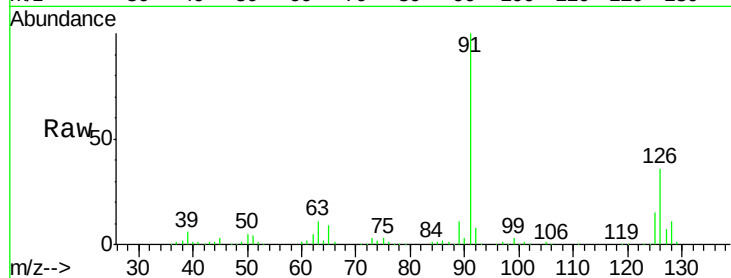
126 35.7 17.8 53.3

Manual Integrations

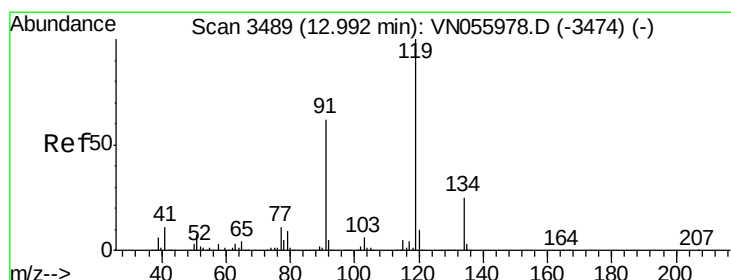
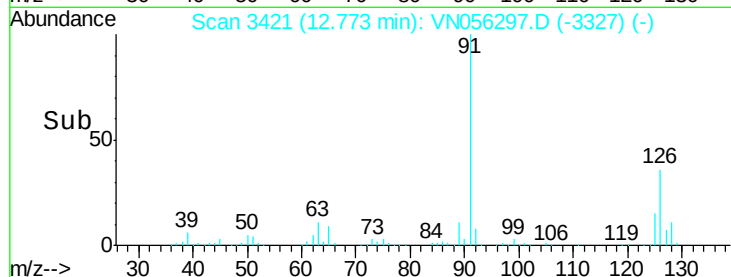
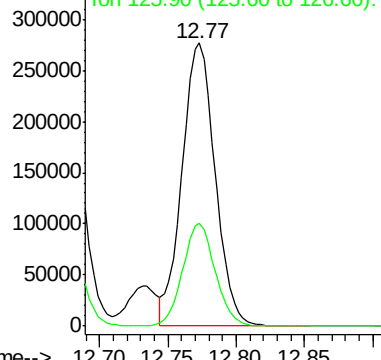
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Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3412) (-)



#83

tert-Butylbenzene

Concen: 54.226 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056297.D

Acq: 13 Jun 2019 21:28

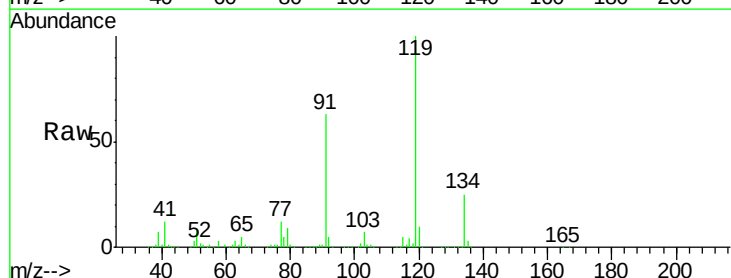
Tgt Ion: 119 Resp: 528726

Ion Ratio Lower Upper

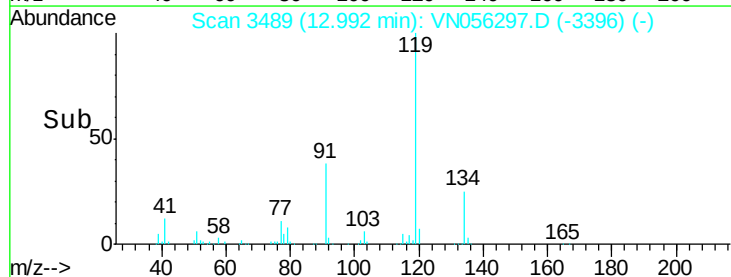
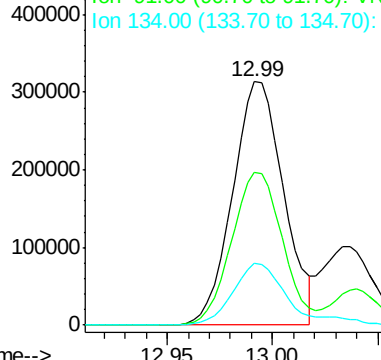
119 100

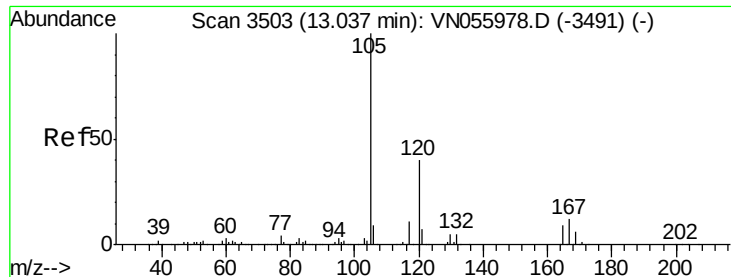
91 62.6 30.9 92.8

134 27.3 13.3 39.8



Abundance Ion 119.00 (118.70 to 119.70): VN055978.D (-3474) (-)





#84

1,2,4-Trimethylbenzene

Concen: 63.777 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN056297.D

Acq: 13 Jun 2019 21:28

Instrument :

MSVOA_N

ClientSampleId :

MW-5_061219MSD

Tot Ion:105 Resp: 763277

Ion Ratio Lower Upper

105 100

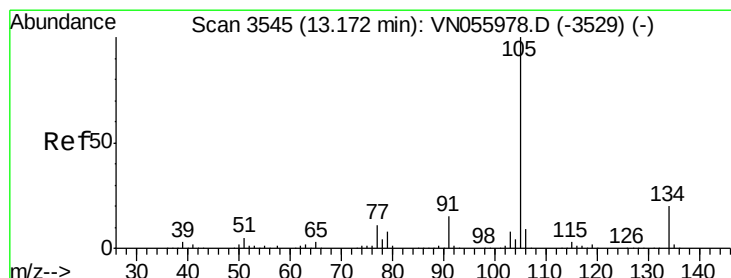
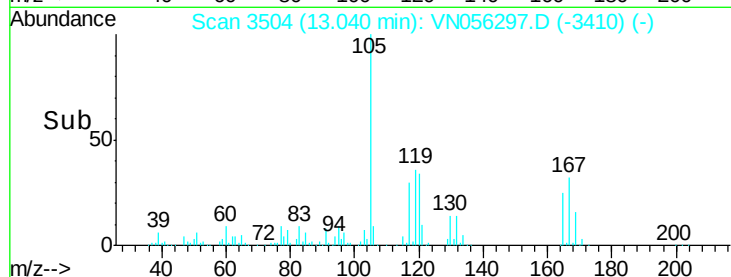
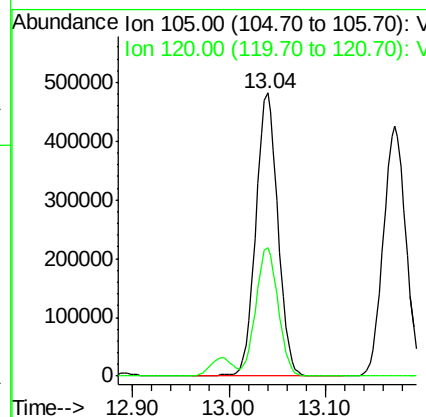
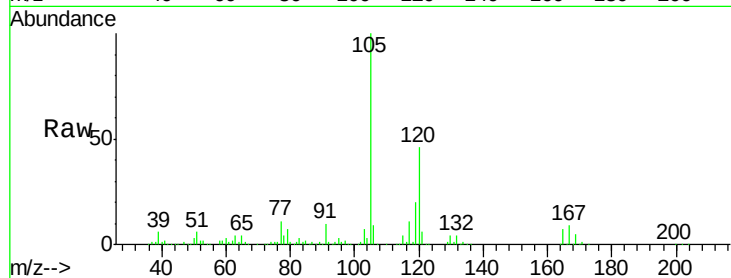
120 46.1 23.0 69.0

Manual Integrations

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#85

sec-Butylbenzene

Concen: 48.937 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056297.D

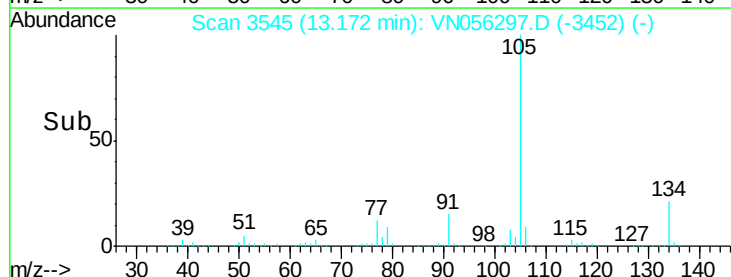
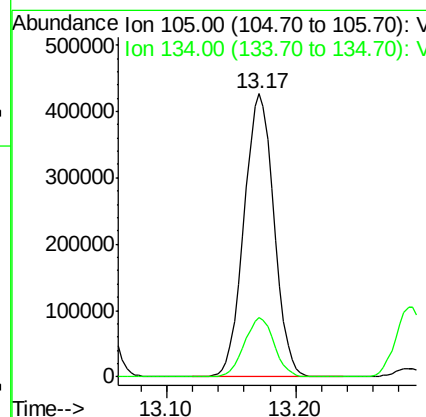
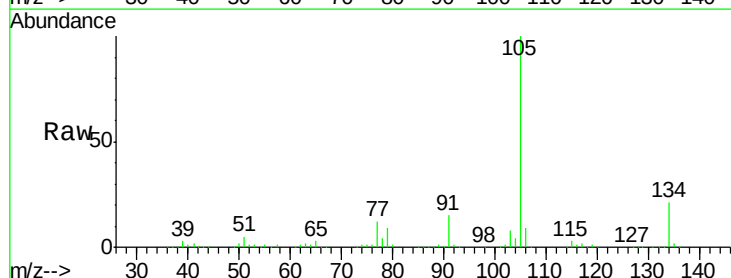
Acq: 13 Jun 2019 21:28

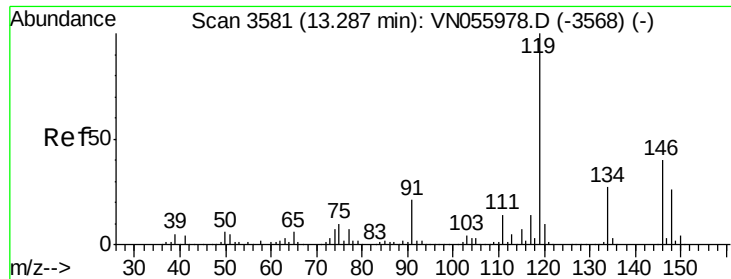
Tgt Ion:105 Resp: 688190

Ion Ratio Lower Upper

105 100

134 20.9 10.4 31.2





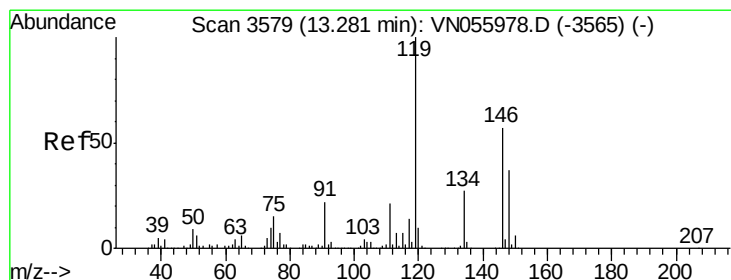
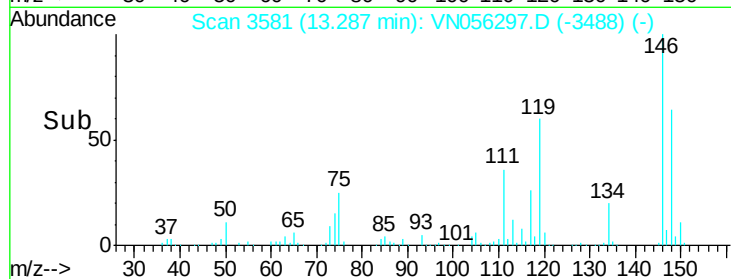
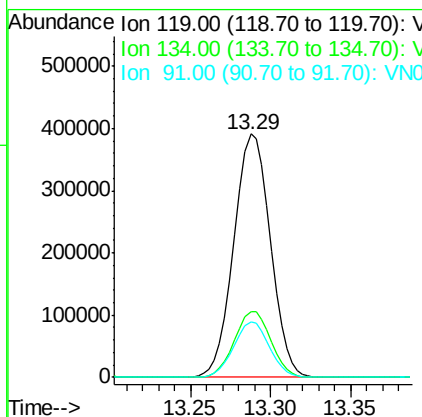
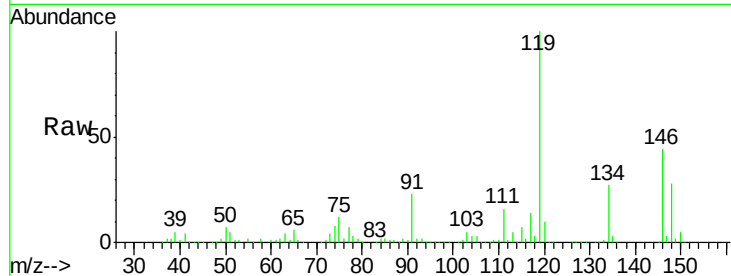
#86
 p-Isopropyltoluene
 Concen: 48.253 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056297.D
 Acq: 13 Jun 2019 21:28

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5_061219MSD

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.4	40.1
91	22.0	10.9	32.9

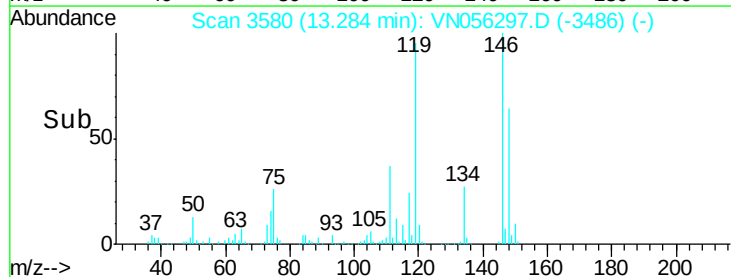
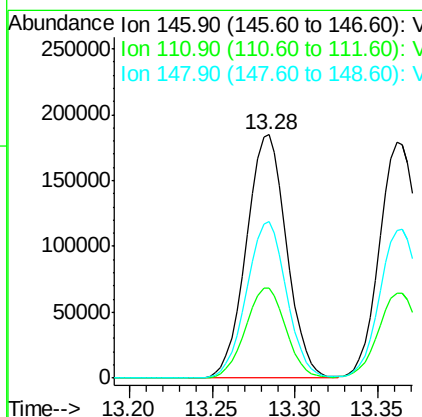
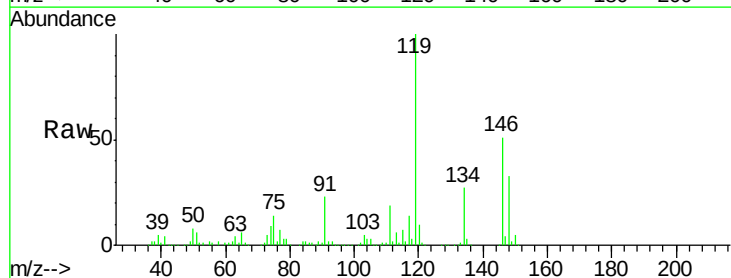
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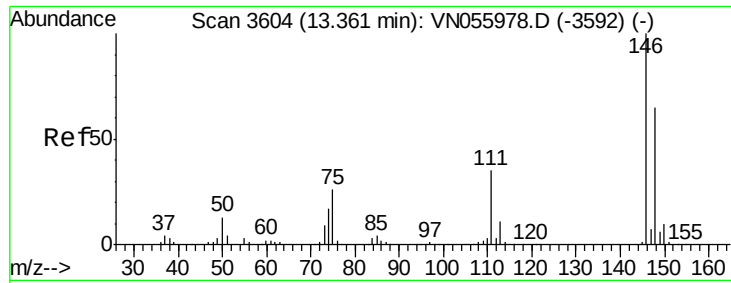
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#87
 1,3-Dichlorobenzene
 Concen: 50.249 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN056297.D
 Acq: 13 Jun 2019 21:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.5	55.5
148	64.0	32.0	96.2





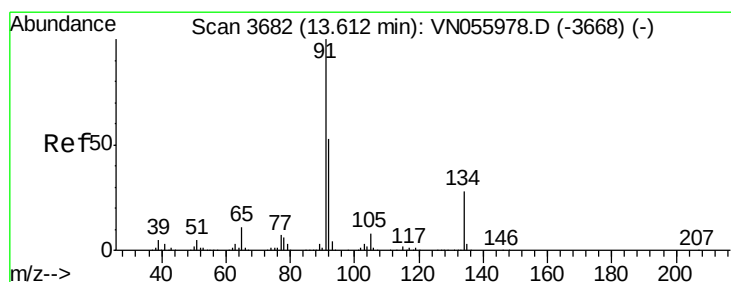
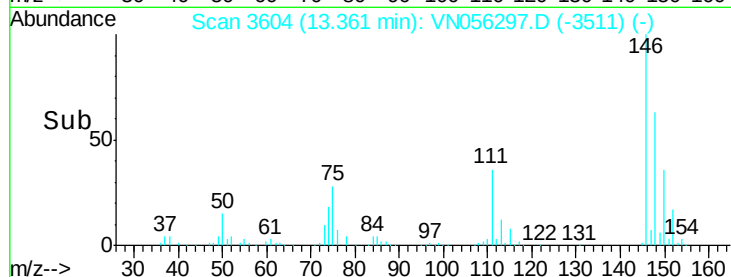
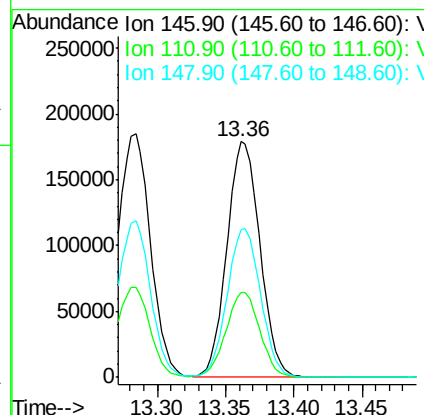
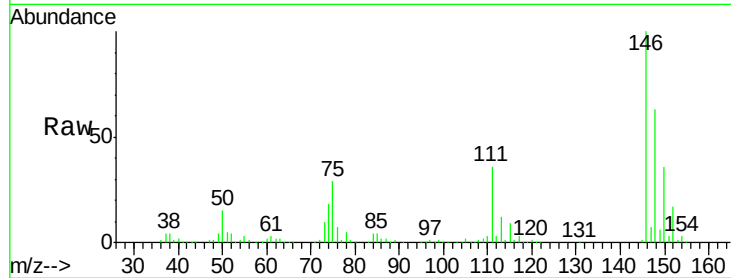
#88
 1,4-Dichlorobenzene
 Concen: 50.317 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056297.D
 Acq: 13 Jun 2019 21:28

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5_061219MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.1	54.4
148	63.9	32.1	96.5

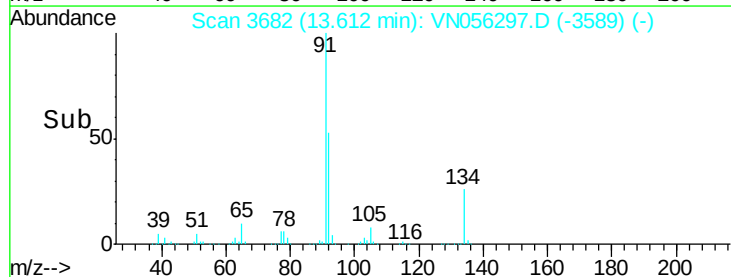
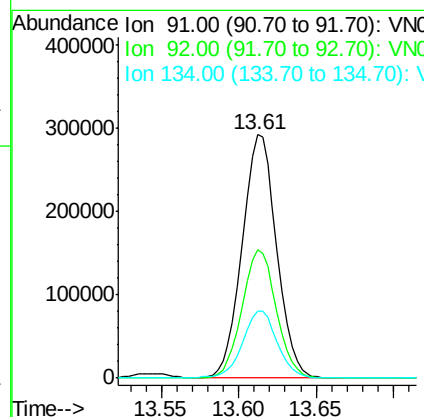
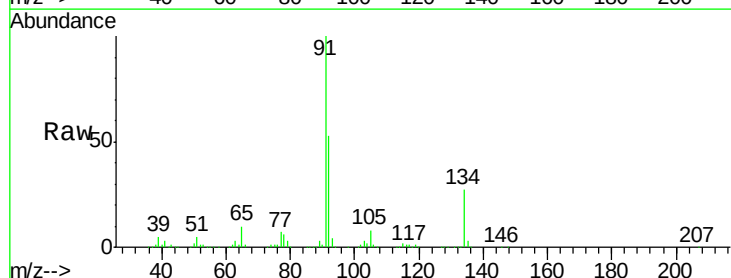
Manual Integrations
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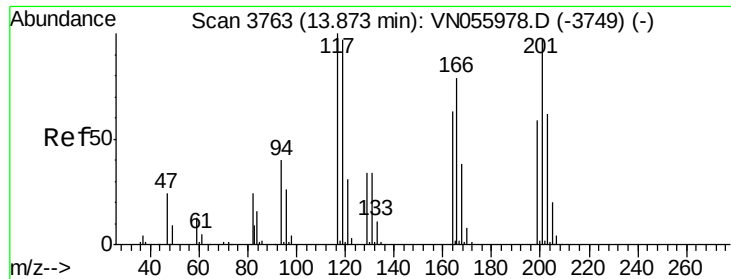
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#89
 n-Butylbenzene
 Concen: 48.190 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. 0.00 min
 Lab File: VN056297.D
 Acq: 13 Jun 2019 21:28

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.4	79.0
134	27.6	13.9	41.7





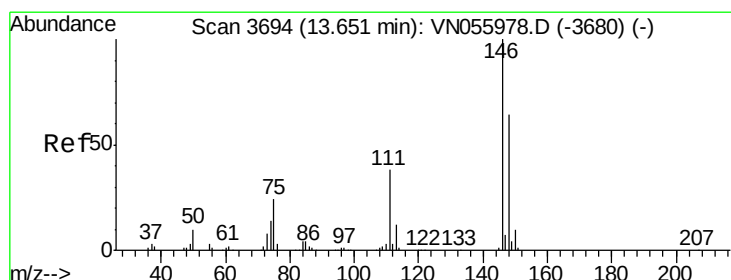
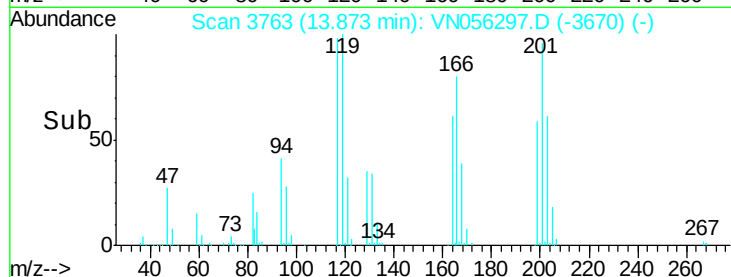
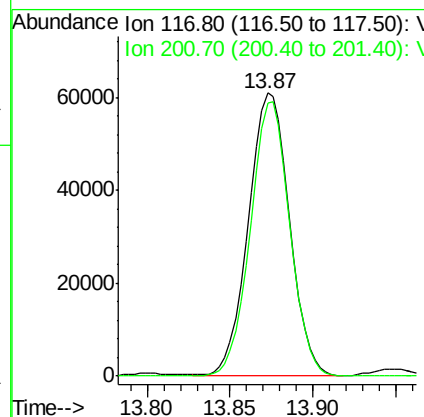
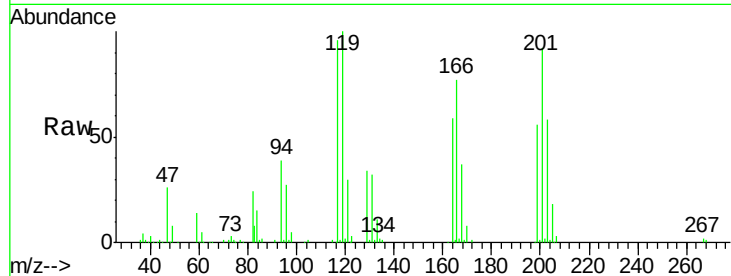
#90
Hexachloroethane
Concen: 55.085 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056297.D
Acq: 13 Jun 2019 21:28

Instrument :
MSVOA_N
ClientSampleId :
MW-5_061219MSD

Tot Ion	Ratio	Lower	Upper
117	100		
201	93.6	50.0	150.0

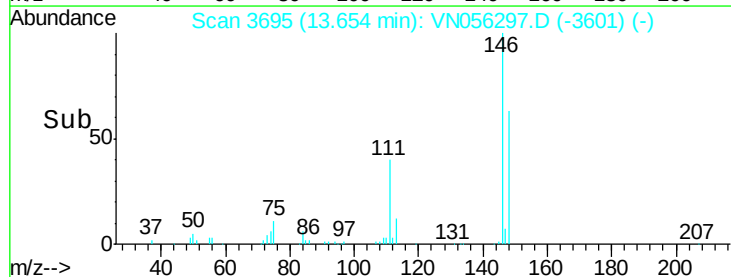
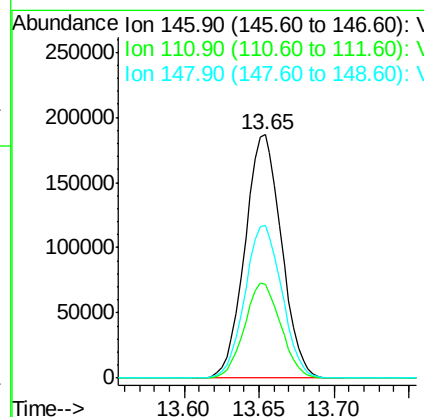
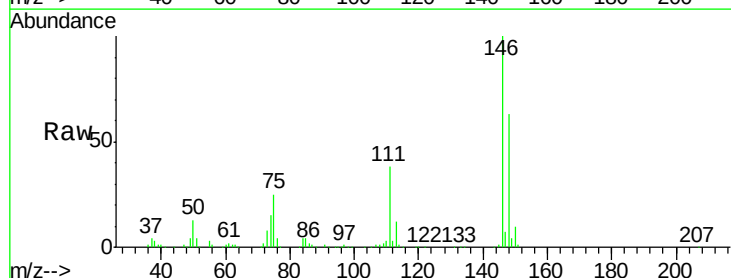
Manual Integrations
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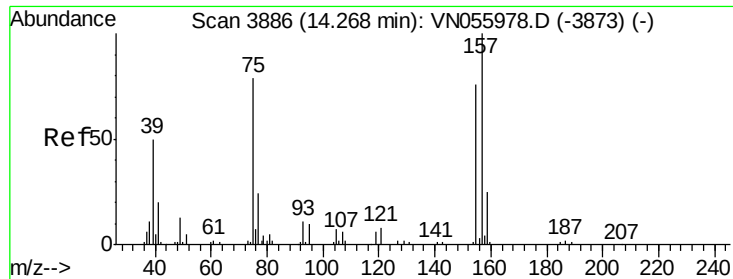
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#91
1,2-Dichlorobenzene
Concen: 50.680 ug/l
RT: 13.65 min Scan# 3695
Delta R.T. 0.00 min
Lab File: VN056297.D
Acq: 13 Jun 2019 21:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.1	57.5
148	63.4	31.9	95.9





#92

1,2-Dibromo-3-Chloropropane

Concen: 63.820 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN056297.D

Acq: 13 Jun 2019 21:28

Instrument :

MSVOA_N

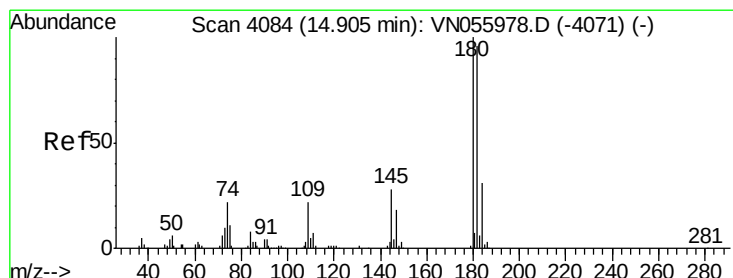
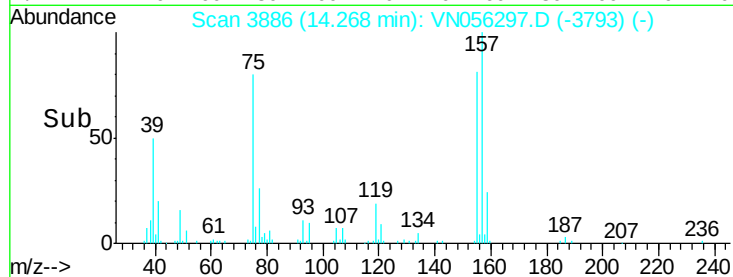
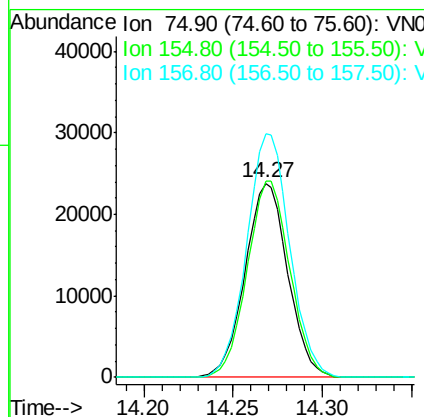
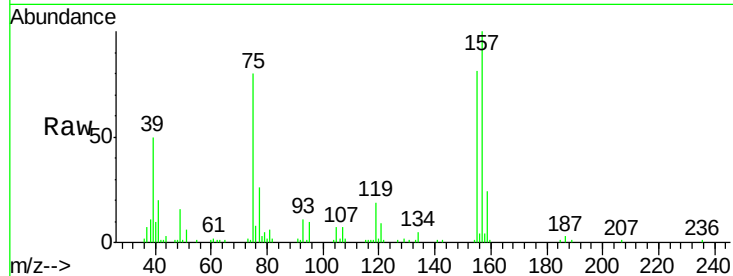
ClientSampleId :

MW-5_061219MSD

Tot Ion:	75	Resp:	39775
Ion	Ratio	Lower	Upper
75	100		
155	100.9	50.0	150.1
157	126.3	64.8	194.3

Manual Integrations
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#93

1,2,4-Trichlorobenzene

Concen: 42.465 ug/l

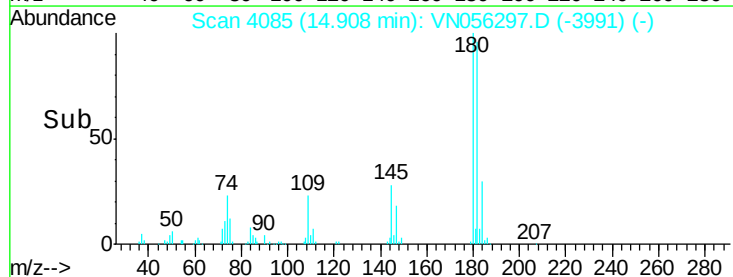
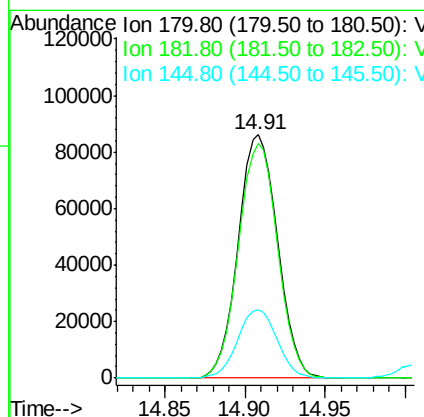
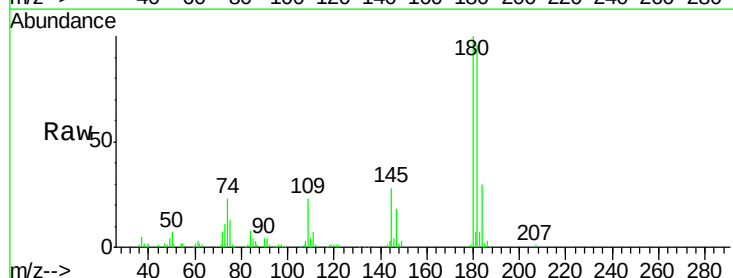
RT: 14.91 min Scan# 4085

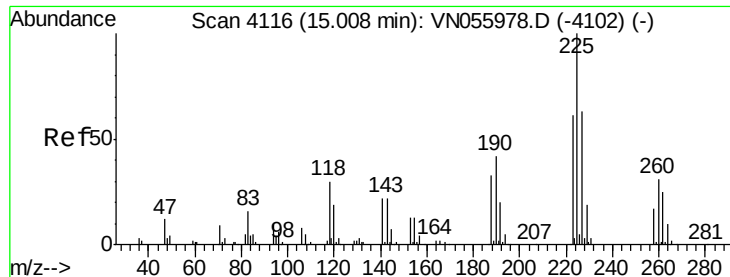
Delta R.T. 0.00 min

Lab File: VN056297.D

Acq: 13 Jun 2019 21:28

Tgt Ion:	180	Resp:	144513
Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.3	144.9
145	28.3	14.0	41.9





#94

Hexachlorobutadiene

Concen: 48.642 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN056297.D

Acq: 13 Jun 2019 21:28

Instrument :

MSVOA_N

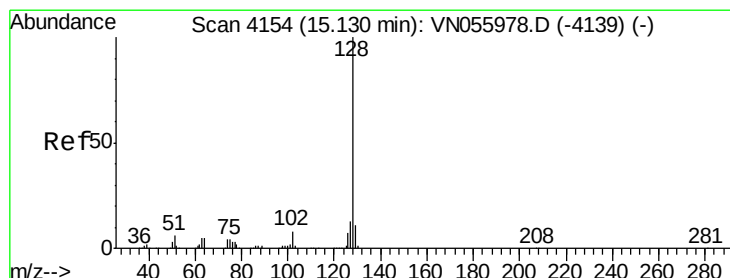
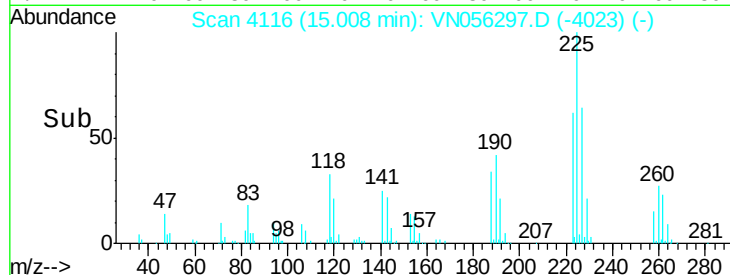
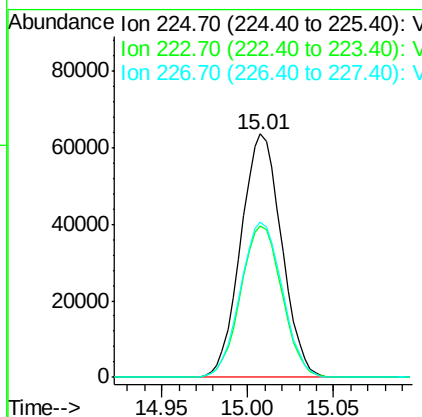
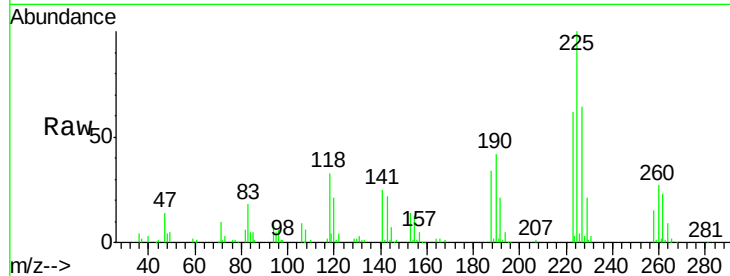
ClientSampleId :

MW-5_061219MSD

Tot Ion:	225	Resp:	104883
Ion Ratio		Lower	Upper
225	100		
223	62.9	30.9	92.7
227	65.2	31.6	94.7

Manual Integrations
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6/14/2019 9:36:51 AM



#95

Naphthalene

Concen: 53.310 ug/l

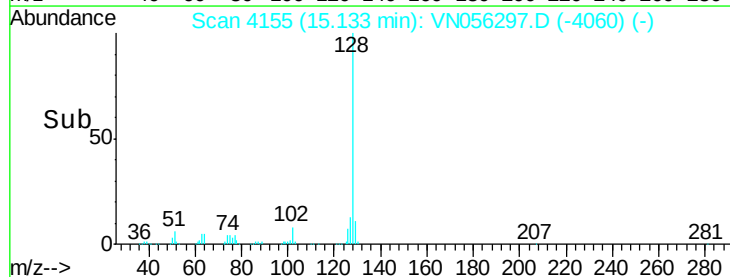
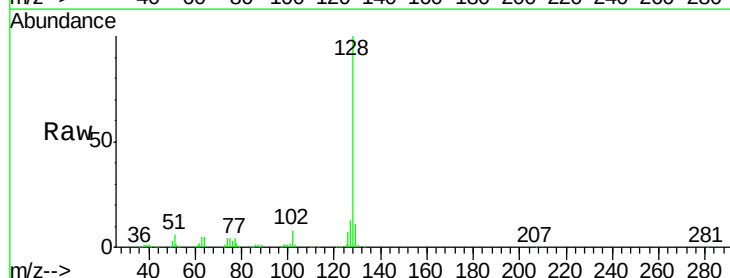
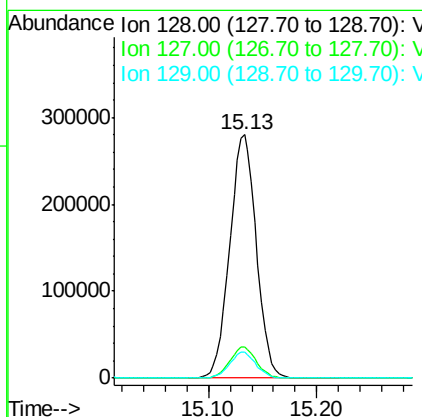
RT: 15.13 min Scan# 4155

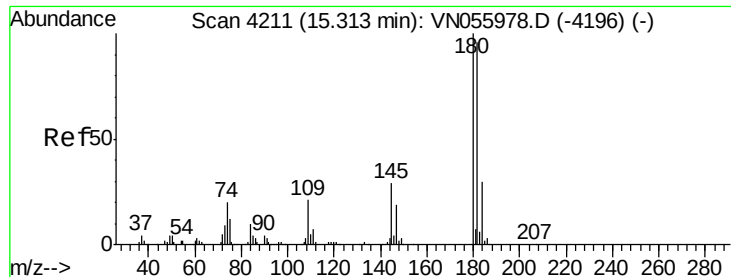
Delta R.T. 0.00 min

Lab File: VN056297.D

Acq: 13 Jun 2019 21:28

Tgt Ion:	128	Resp:	481092
Ion Ratio		Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.6	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 47.229 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN056297.D
 Acq: 13 Jun 2019 21:28

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5_061219MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	165924		
182	94.2		47.9	143.7
145	30.4		14.9	44.7

Manual Integrations
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 6/14/2019 9:36:51 AM

