

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060719\
 Data File : VN056082.D
 Acq On : 7 Jun 2019 7:14
 Operator : JC/SP
 Sample : K3190-17MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW304S-30190604MSD

Manual Integrations
 APPROVED

MMDadoda
 6/7/2019 9:42:00 AM

Quant Time: Jun 07 09:22:53 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	286559	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	433068	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	390954	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	174639	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	152639	53.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.30%	
35) Dibromofluoromethane	7.59	113	138197	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	
50) Toluene-d8	10.09	98	521704	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
62) 4-Bromofluorobenzene	12.40	95	177494	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	146770	46.645	ug/l	99
3) Chloromethane	2.06	50	167000	53.761	ug/l	99
4) Vinyl Chloride	2.18	62	166529	53.445	ug/l	99
5) Bromomethane	2.53	94	101013	51.320	ug/l	99
6) Chloroethane	2.68	64	94221	52.154	ug/l	99
7) Trichlorofluoromethane	3.00	101	196623	49.430	ug/l	100
8) Diethyl Ether	3.40	74	82447	50.401	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	114198	47.261	ug/l	100
10) Methyl Iodide	3.94	142	178118	46.386	ug/l	99
11) Tert butyl alcohol	4.81	59	144295	291.421	ug/l	99
12) 1,1-Dichloroethene	3.72	96	125147	52.023	ug/l	97
13) Acrolein	3.60	56	31213	218.574	ug/l	93
14) Allyl chloride	4.31	41	190968	50.273	ug/l	98
15) Acrylonitrile	4.99	53	360613	299.185	ug/l	100
16) Acetone	3.82	43	293411	215.614	ug/l	99
17) Carbon Disulfide	4.04	76	277333	48.149	ug/l	99
18) Methyl Acetate	4.33	43	152925	57.295	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	410123	53.485	ug/l	98
20) Methylene Chloride	4.54	84	148091	52.822	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	133134	51.652	ug/l	97
22) Diisopropyl ether	5.95	45	420109	53.502	ug/l	99
23) Vinyl Acetate	5.90	43	1704567	275.656	ug/l	100
24) 1,1-Dichloroethane	5.84	63	240914	53.188	ug/l	99
25) 2-Butanone	6.84	43	471627	274.306	ug/l	100
26) 2,2-Dichloropropane	6.82	77	97735	27.652	ug/l	93
27) cis-1,2-Dichloroethene	6.82	96	159439	52.623	ug/l	93
28) Bromochloromethane	7.19	49	116409	54.346	ug/l	97
29) Tetrahydrofuran	7.22	42	314360	295.786	ug/l	99
30) Chloroform	7.37	83	241689	53.042	ug/l	99
31) Cyclohexane	7.65	56	207644	45.991	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	197819	51.989	ug/l	99
36) 1,1-Dichloropropene	7.79	75	177217	47.591	ug/l	99
37) Ethyl Acetate	6.93	43	184869	55.797	ug/l	99
38) Carbon Tetrachloride	7.77	117	165395	48.176	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	196414	42.342	ug/l	99
40) Benzene	8.04	78	572195	50.592	ug/l	100
41) Methacrylonitrile	7.18	41	89270	58.560	ug/l	97
42) 1,2-Dichloroethane	8.12	62	182427	50.145	ug/l	99
43) Isopropyl Acetate	8.17	43	283610	52.823	ug/l	93
44) Trichloroethene	8.83	130	160626	49.425	ug/l	99
45) 1,2-Dichloropropane	9.12	63	149033	51.445	ug/l	99
46) Dibromomethane	9.21	93	97676	51.560	ug/l	98
47) Bromodichloromethane	9.40	83	176105	51.291	ug/l	99
48) Methyl methacrylate	9.20	41	144206	54.900	ug/l	96
49) 1,4-Dioxane	9.20	88	62134	1095.702	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	931383	277.401	ug/l	99
52) Toluene	10.15	92	358534	50.944	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	168859	42.334	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	197200	47.783	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	146509	52.554	ug/l	99
56) Ethyl methacrylate	10.43	69	223082	54.851	ug/l	98
57) 1,3-Dichloropropane	10.71	76	236572	52.202	ug/l	100
59) 2-Hexanone	10.75	43	656856	269.927	ug/l	99
60) Dibromochloromethane	10.90	129	144578	47.169	ug/l	100
61) 1,2-Dibromoethane	11.00	107	152190	53.401	ug/l	100
64) Tetrachloroethene	10.63	164	150965	44.610	ug/l	98
65) Chlorobenzene	11.43	112	387320	49.779	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	138071	51.392	ug/l	100
67) Ethyl Benzene	11.51	91	662412	48.961	ug/l	98
68) m/p-Xylenes	11.62	106	512612	99.182	ug/l	98
69) o-Xylene	11.95	106	252794	49.724	ug/l	99
70) Stvrene	11.96	104	421766	52.214	ug/l	100
71) Bromoform	12.13	173	102412	45.656	ug/l #	100
73) Isopropylbenzene	12.25	105	655155	52.764	ug/l	100
74) N-amyl acetate	12.07	43	235636	50.617	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	202404	49.925	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	184758m	57.495	ug/l	
77) Bromobenzene	12.52	156	179706	48.063	ug/l	97
78) n-propylbenzene	12.59	91	698191	47.257	ug/l	99
79) 2-Chlorotoluene	12.67	91	430090	52.604	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	541792	46.141	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	39591	41.029	ug/l	89
82) 4-Chlorotoluene	12.77	91	416418	48.176	ug/l	100
83) tert-Butylbenzene	12.99	119	478665	52.686	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	530945	47.683	ug/l	99
85) sec-Butylbenzene	13.17	105	603530	46.127	ug/l	100
86) p-Isopropyltoluene	13.29	119	546891	46.704	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	286454	49.501	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	274790	49.363	ug/l	100
89) n-Butylbenzene	13.61	91	399648	46.072	ug/l	100
90) Hexachloroethane	13.87	117	82495	46.715	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	285352	48.841	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31882	54.982	ug/l	98
93) 1,2,4-Trichlorobenzene	14.91	180	136630	43.083	ug/l	99

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QLast Update : Tue Jun 04 11:02:09 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	94186	46.872	ug/l	99
95) Naphthalene	15.13	128	389522	46.892	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	153802	47.064	ug/l	99

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

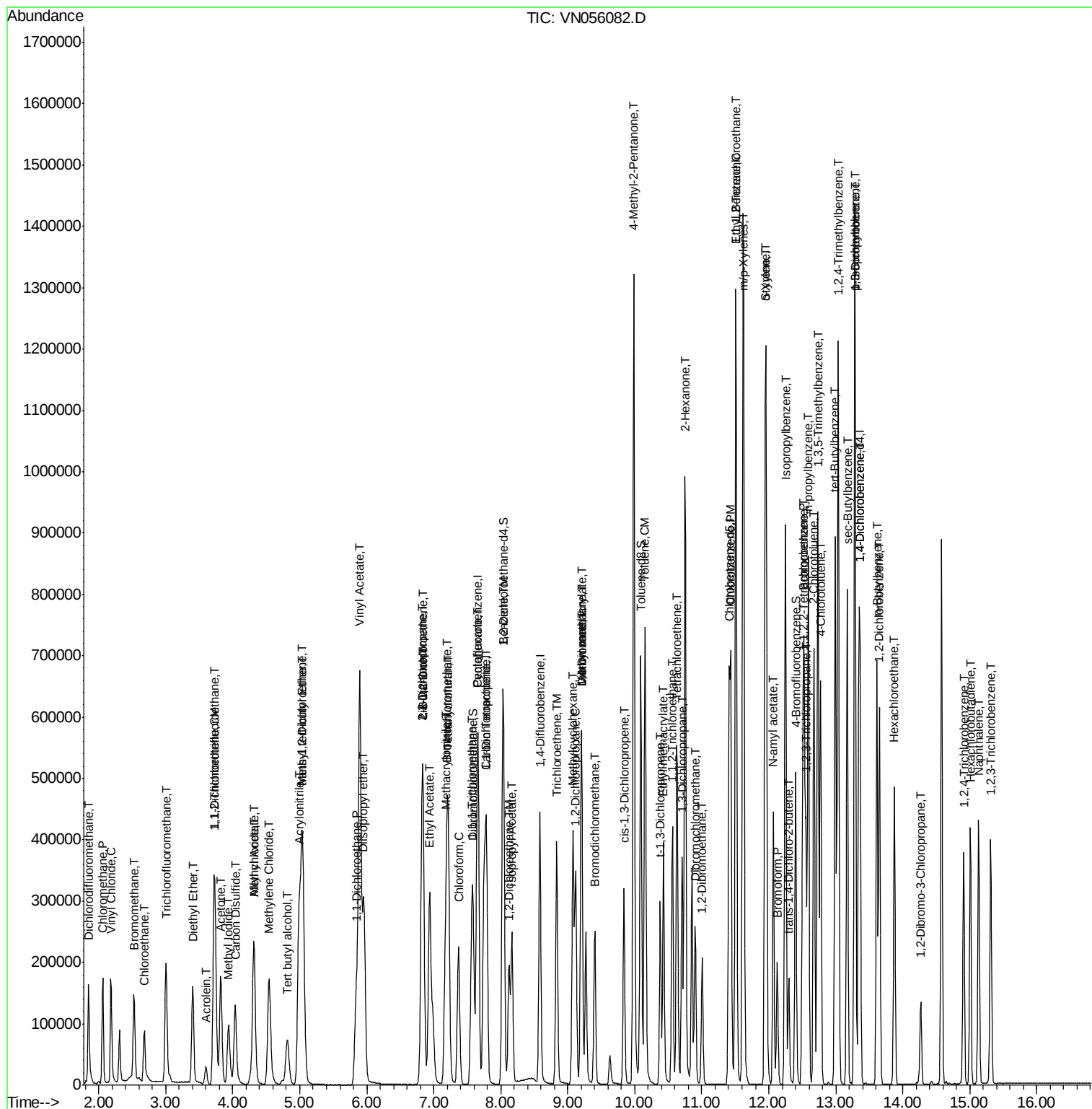
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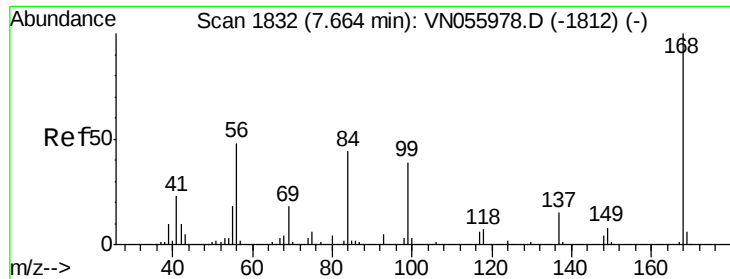
Instrument :
 MSVOA_N
 Client Sample Id :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056082.D

Acq: 7 Jun 2019 7:14

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW304S-30190604MSD

Tot Ion:168 Resp: 286559

Ion Ratio Lower Upper

168 100

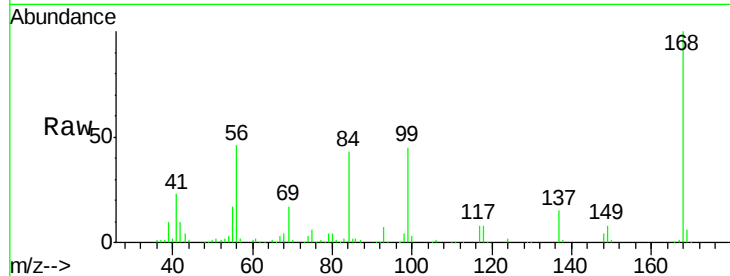
99 44.2 37.2 55.8

Manual Integrations

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6/7/2019 9:42:00 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

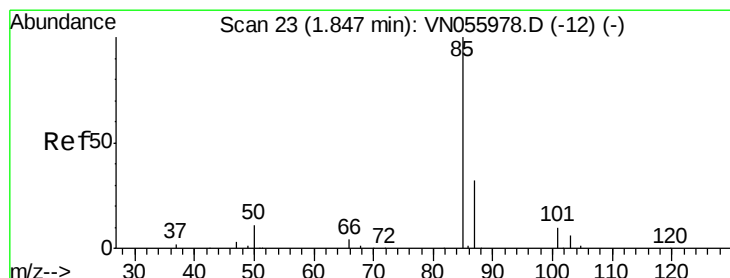
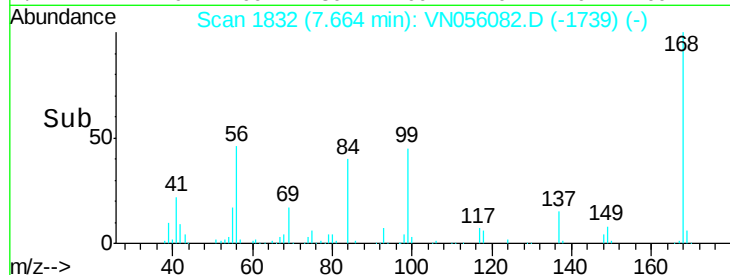
7.66

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#2

Dichlorodifluoromethane

Concen: 46.645 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056082.D

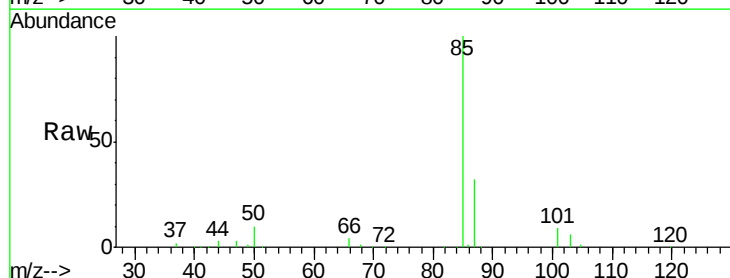
Acq: 7 Jun 2019 7:14

Tgt Ion: 85 Resp: 146770

Ion Ratio Lower Upper

85 100

87 32.5 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

100000

80000

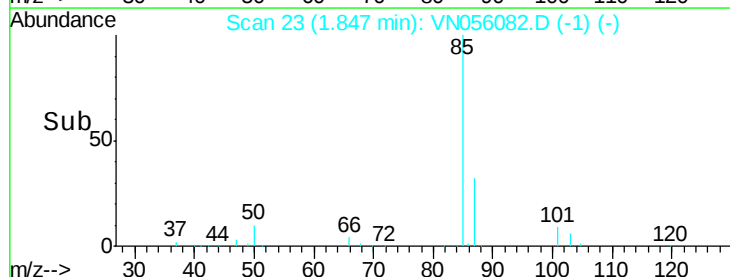
60000

40000

20000

0

Time--> 1.80 1.90 2.00





#3

Chloromethane

Concen: 53.761 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056082.D

Acq: 7 Jun 2019 7:14

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW304S-30190604MSD

Tot Ion: 50 Resp: 167000

Ion Ratio Lower Upper

50 100

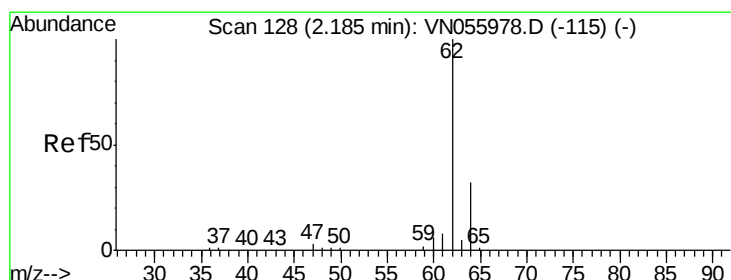
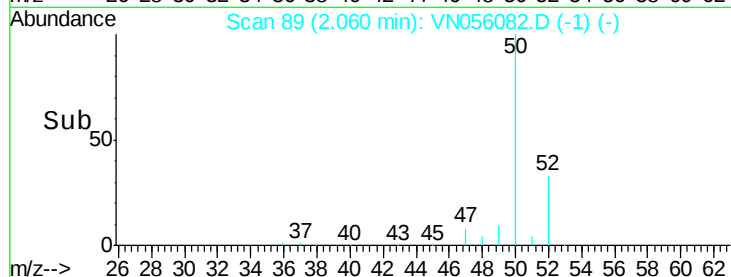
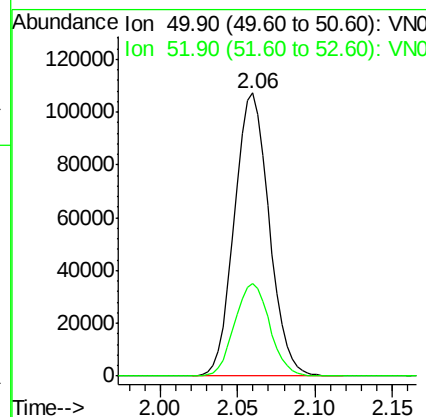
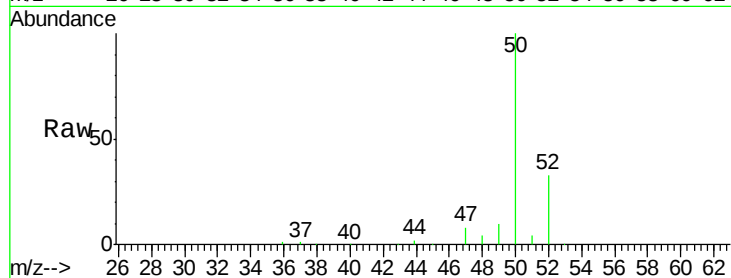
52 32.7 26.6 40.0

Manual Integrations

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6/7/2019 9:42:00 AM



#4

Vinyl Chloride

Concen: 53.445 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056082.D

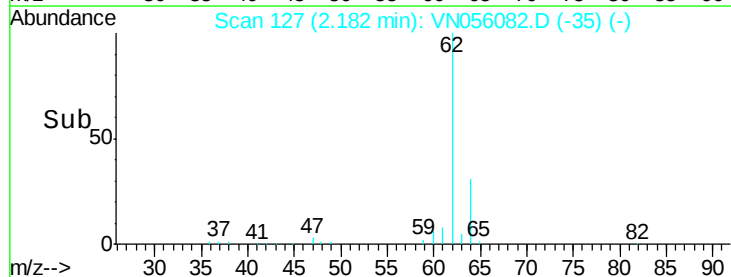
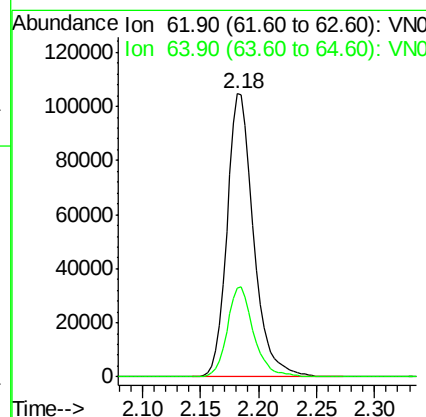
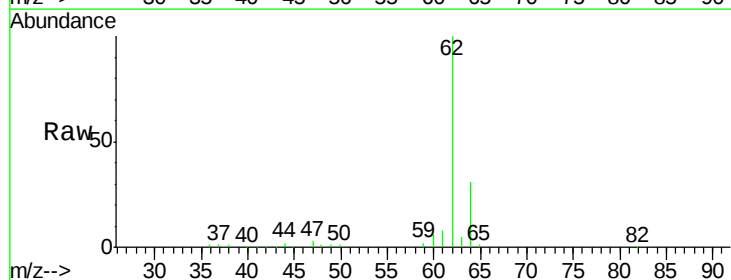
Acq: 7 Jun 2019 7:14

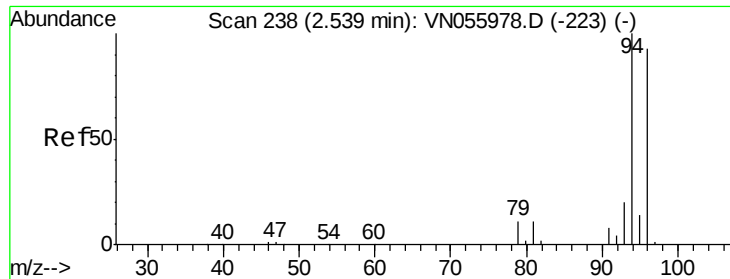
Tgt Ion: 62 Resp: 166529

Ion Ratio Lower Upper

62 100

64 31.4 25.6 38.4





#5

Bromomethane

Concen: 51.320 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.01 min

Lab File: VN056082.D

Acq: 7 Jun 2019 7:14

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Tot Ion: 94 Resp: 101013

Ion Ratio Lower Upper

94 100

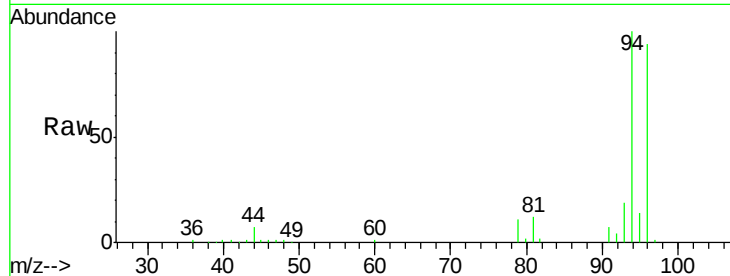
96 93.7 75.5 113.3

Manual Integrations

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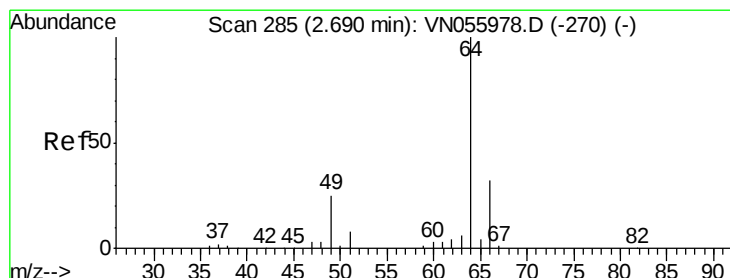
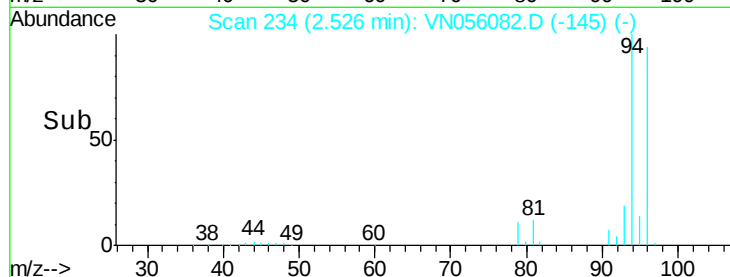
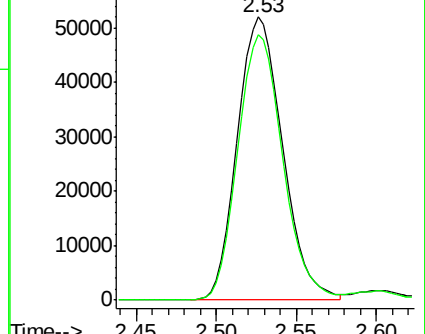
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 52.154 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.01 min

Lab File: VN056082.D

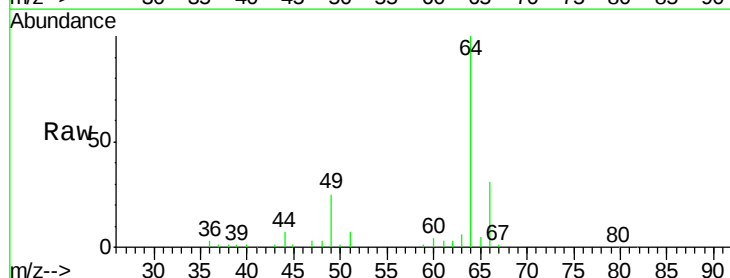
Acq: 7 Jun 2019 7:14

Tgt Ion: 64 Resp: 94221

Ion Ratio Lower Upper

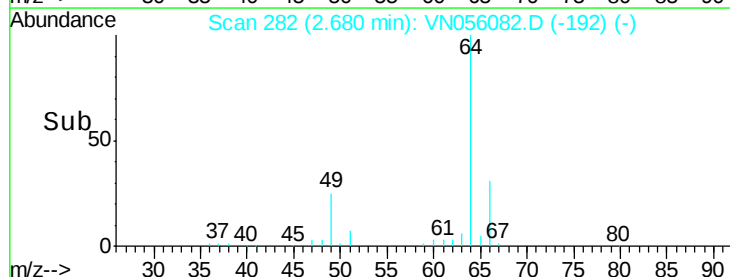
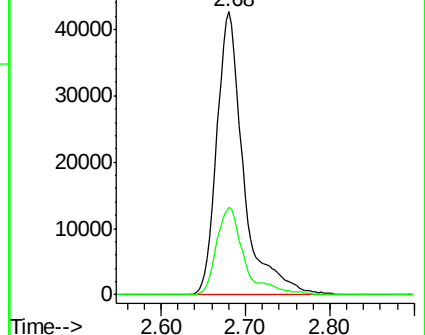
64 100

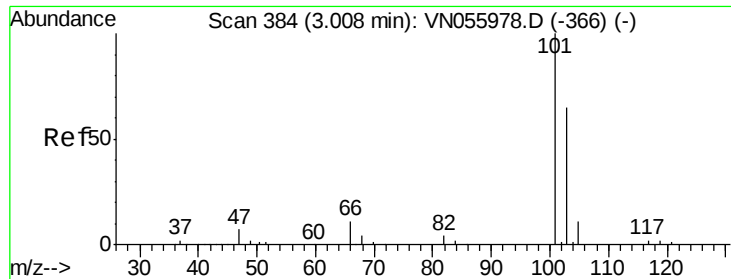
66 30.9 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

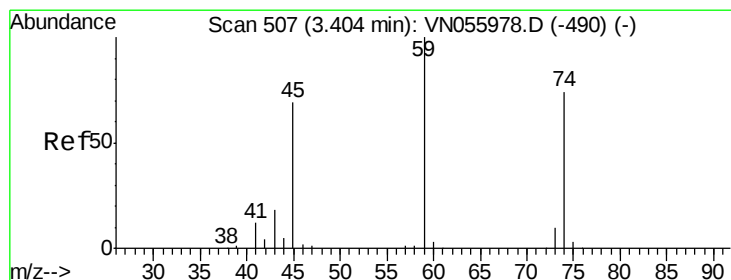
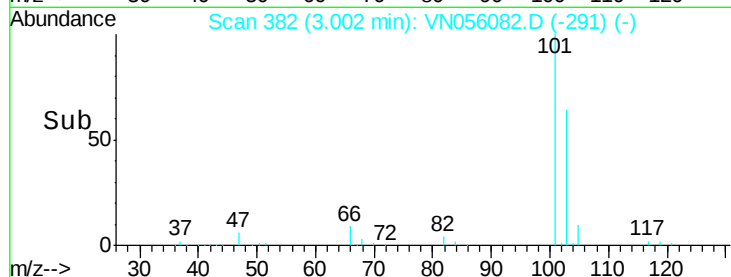
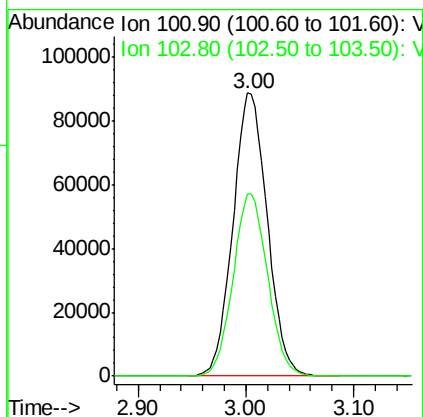
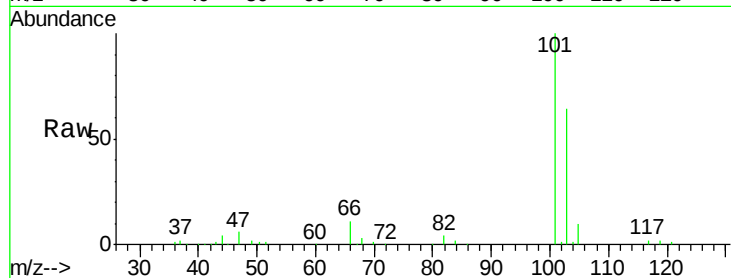
Trichlorofluoromethane
Concen: 49.430 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.01 min
Lab File: VN056082.D
Acq: 7 Jun 2019 7:14

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.2	76.8

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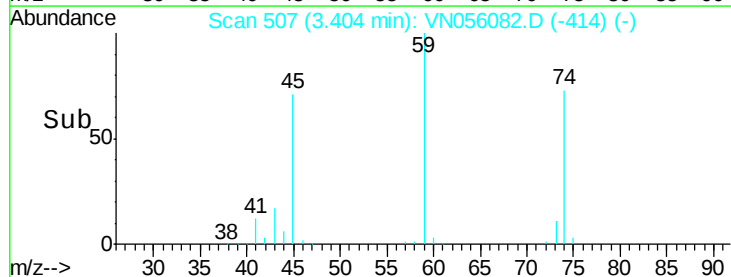
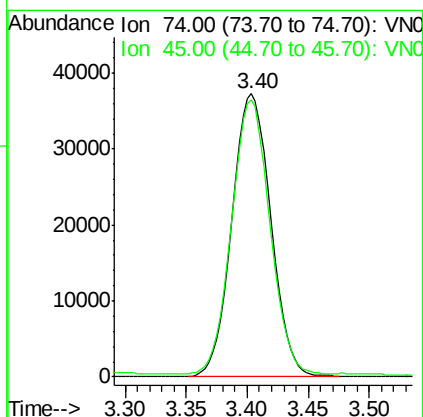
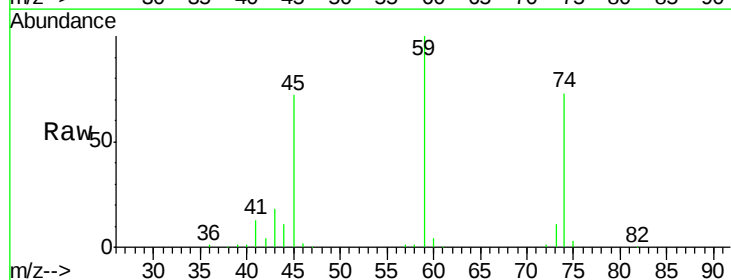
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6/7/2019 9:42:00 AM



#8

Diethyl Ether
Concen: 50.401 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN056082.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.7	48.6	145.9





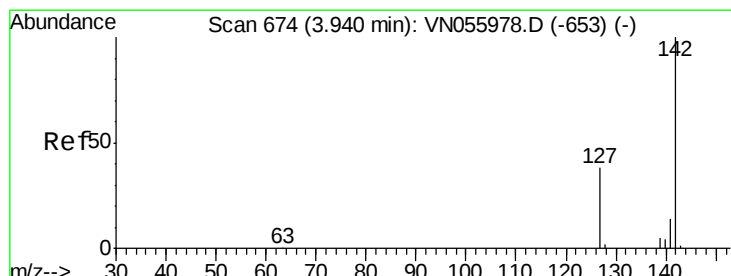
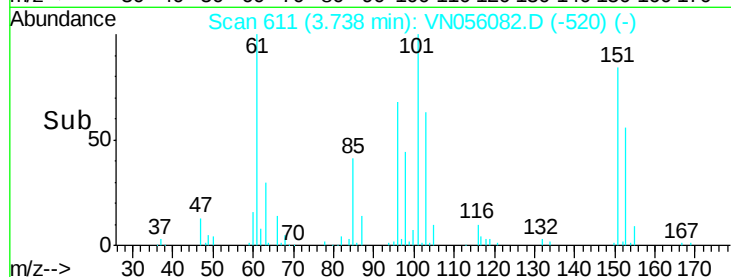
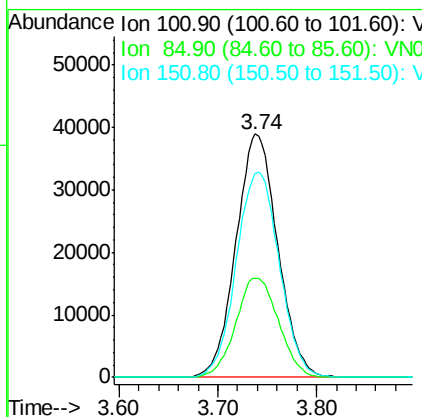
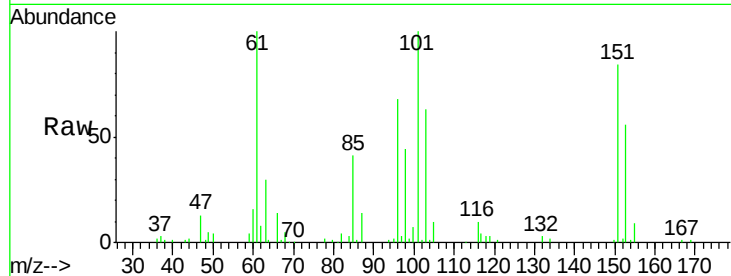
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.261 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: VN056082.D
 Acq: 7 Jun 2019 7:14

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW304S-30190604MSD

Tot Ion	Ratio	Resp	Lower	Upper
101	100	114198		
85	41.9	33.4	50.2	
151	86.9	69.4	104.2	

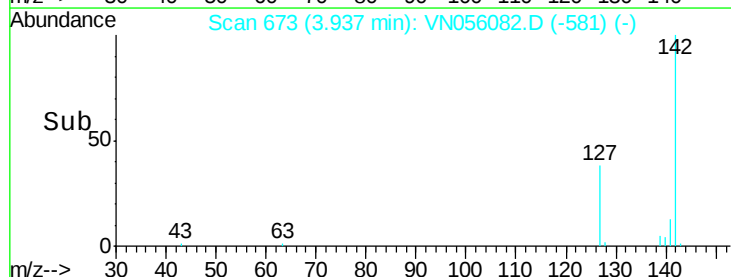
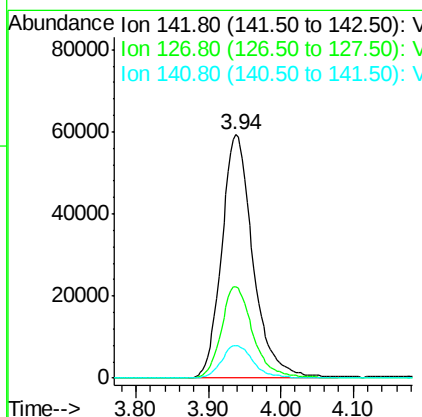
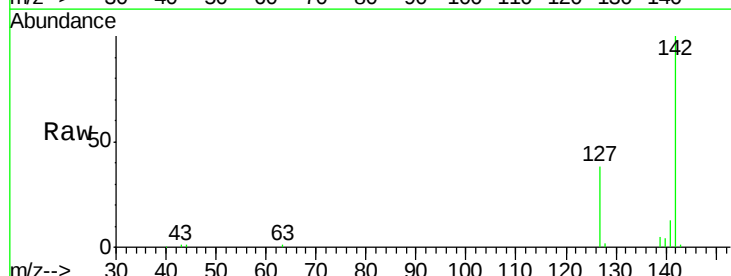
Manual Integrations
 APPROVED

MMDadoda
 6/7/2019 9:42:00 AM



#10
 Methyl Iodide
 Concen: 46.386 ug/l
 RT: 3.94 min Scan# 673
 Delta R.T. -0.00 min
 Lab File: VN056082.D
 Acq: 7 Jun 2019 7:14

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	178118		
127	37.9	31.0	46.4	
141	13.5	11.4	17.0	





#11

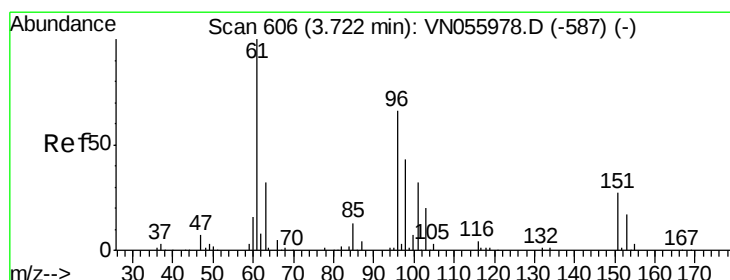
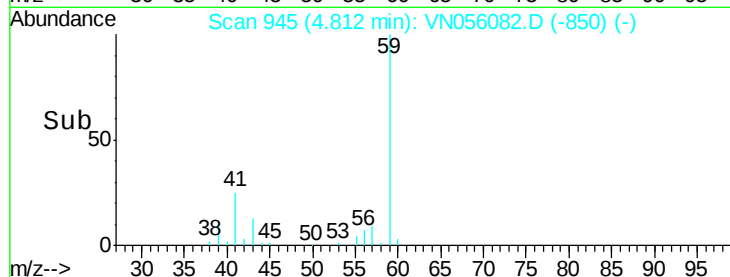
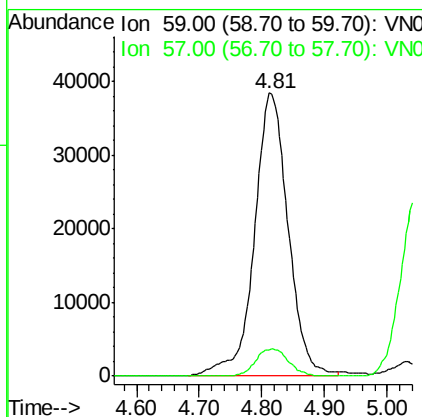
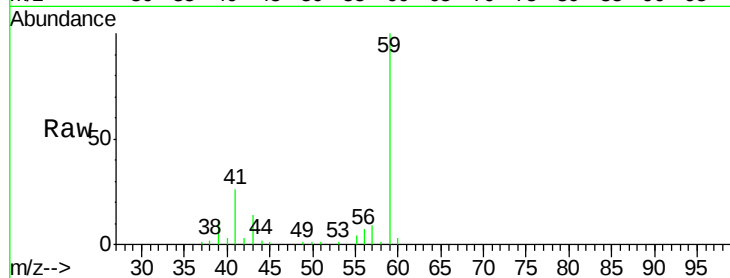
Tert butyl alcohol
 Concen: 291.421 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. 0.01 min
 Lab File: VN056082.D
 Acq: 7 Jun 2019 7:14

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW304S-30190604MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	144295		
57	57	9.3		7.8	11.6

Manual Integrations
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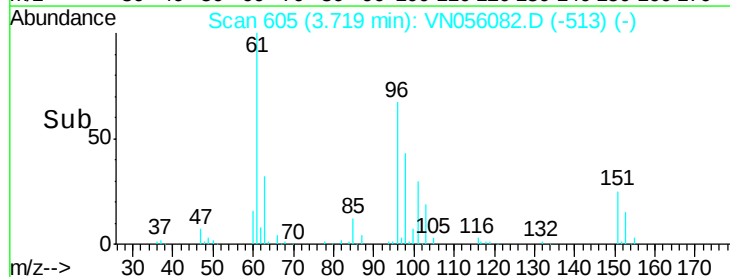
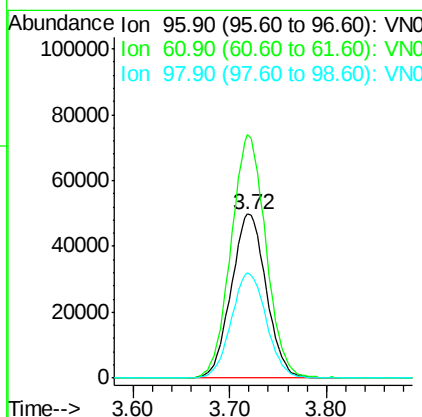
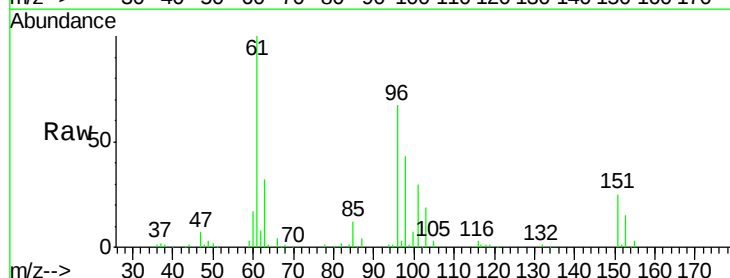
MMDadoda
 6/7/2019 9:42:00 AM

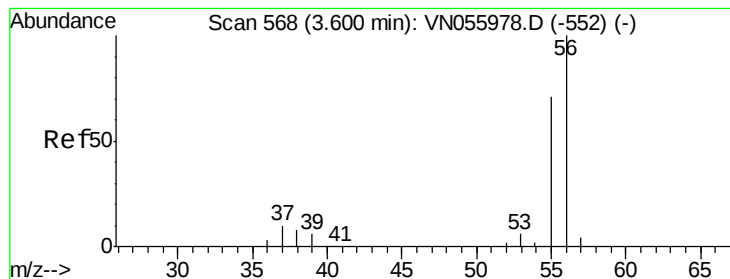


#12

1,1-Dichloroethene
 Concen: 52.023 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VN056082.D
 Acq: 7 Jun 2019 7:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	125147		
61	61	148.6		123.2	184.8
98	98	64.0		50.4	75.6





#13

Acrolein

Concen: 218.574 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN056082.D

Acq: 7 Jun 2019 7:14

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW304S-30190604MSD

Tot Ion: 56 Resp: 31213

Ion Ratio Lower Upper

56 100

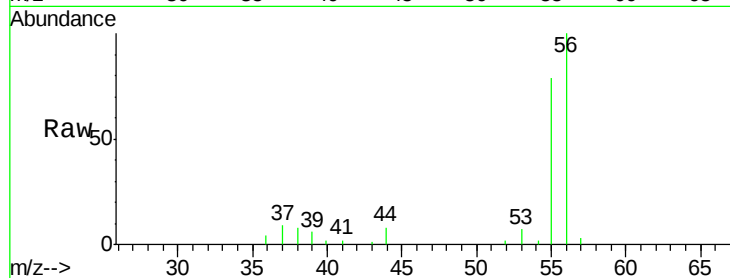
55 74.6 55.4 83.2

Manual Integrations

APPROVED

MMDadoda

6/7/2019 9:42:00 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.60

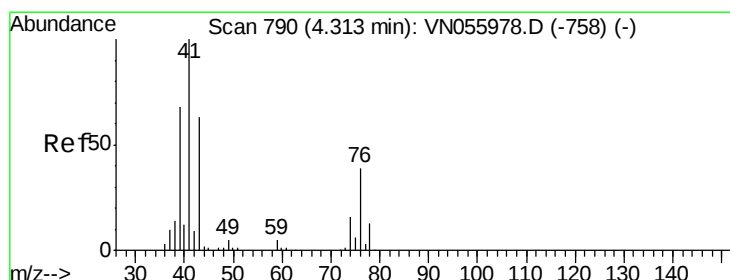
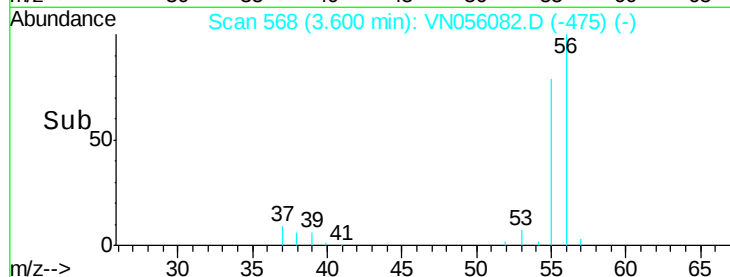
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 50.273 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN056082.D

Acq: 7 Jun 2019 7:14

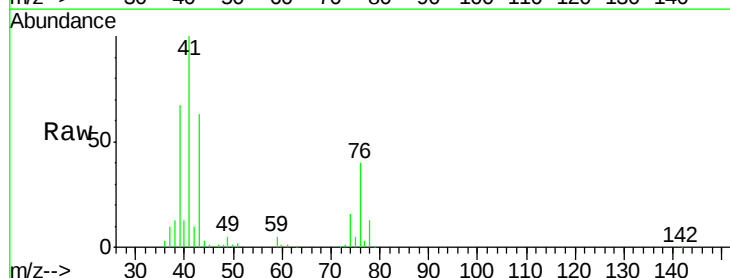
Tgt Ion: 41 Resp: 190968

Ion Ratio Lower Upper

41 100

39 61.3 50.0 75.0

76 33.8 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

4.31

80000

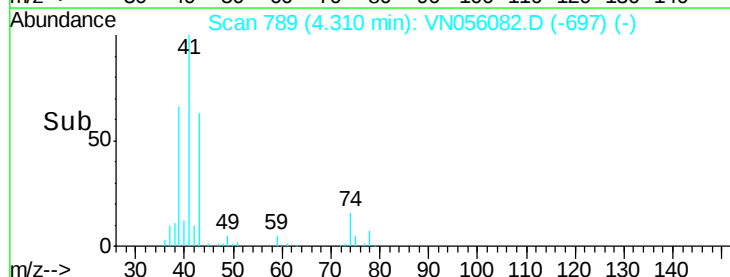
60000

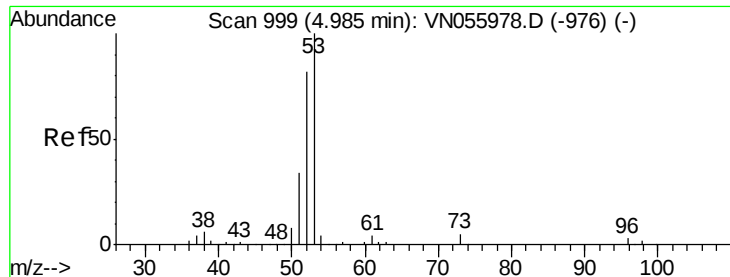
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 299.185 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056082.D

Acq: 7 Jun 2019 7:14

Instrument :

MSVOA_N

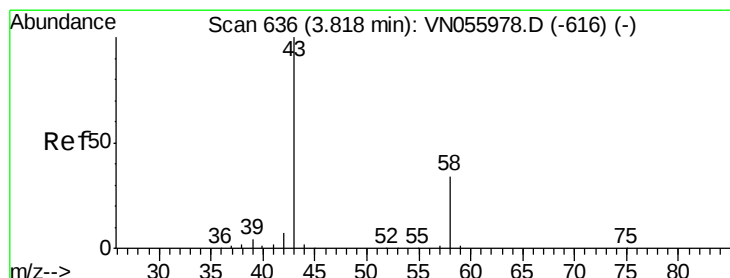
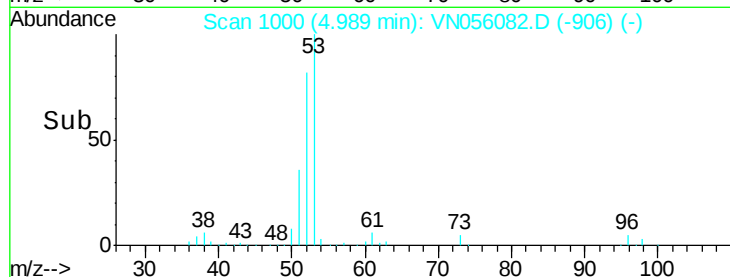
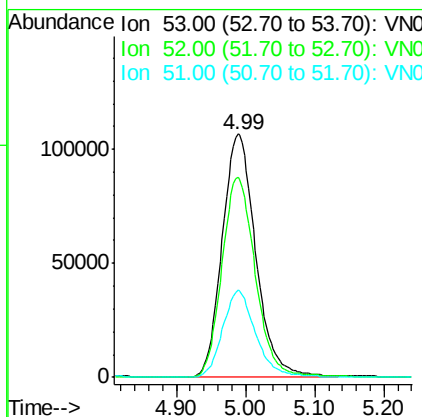
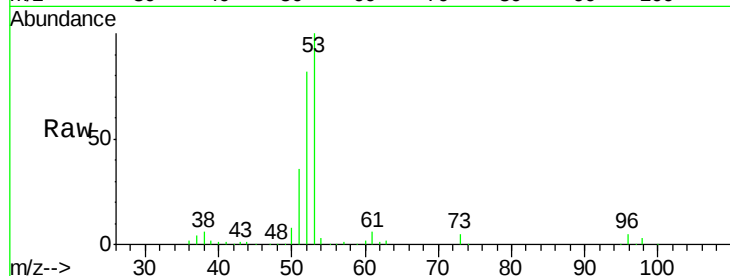
ClientSampleId :

BPS1-TT-MW304S-30190604MSD

Tot Ion:	53	Resp:	360613
Ion Ratio		Lower	Upper
53	100		
52	82.3	65.8	98.8
51	35.2	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 215.614 ug/l

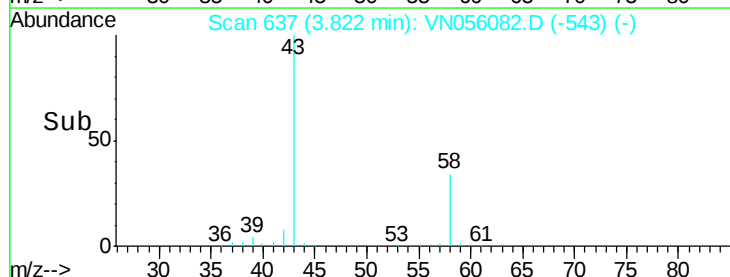
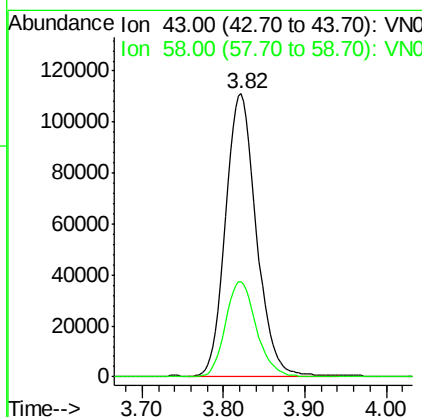
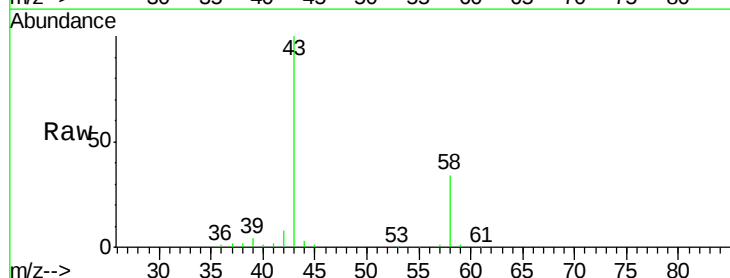
RT: 3.82 min Scan# 637

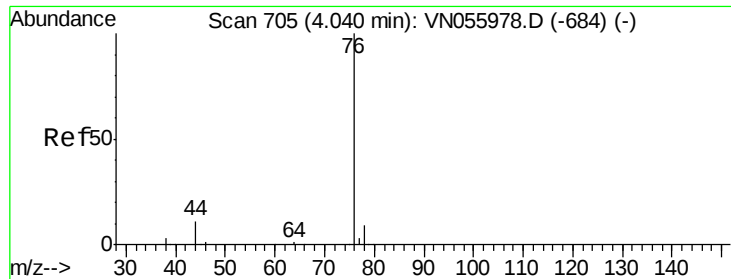
Delta R.T. 0.00 min

Lab File: VN056082.D

Acq: 7 Jun 2019 7:14

Tgt Ion:	43	Resp:	293411
Ion Ratio		Lower	Upper
43	100		
58	33.8	26.6	39.8





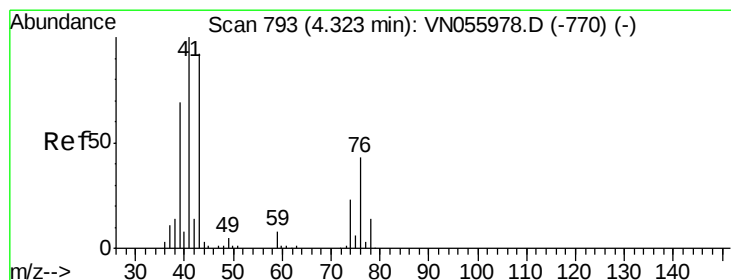
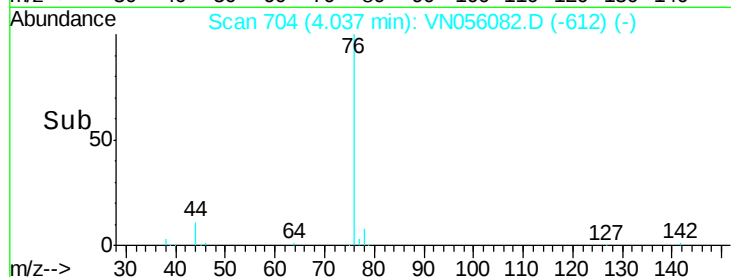
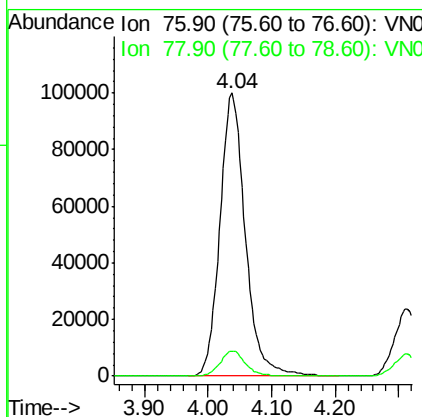
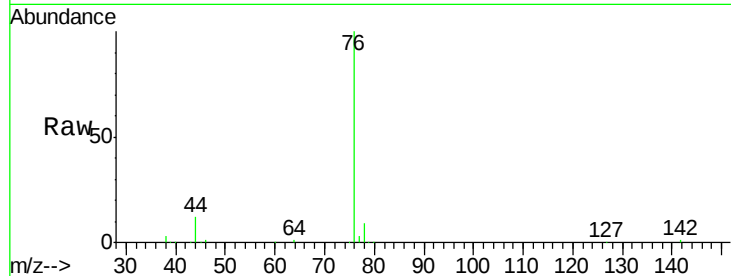
#17
Carbon Disulfide
Concen: 48.149 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN056082.D
Acq: 7 Jun 2019 7:14

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW304S-30190604MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.2

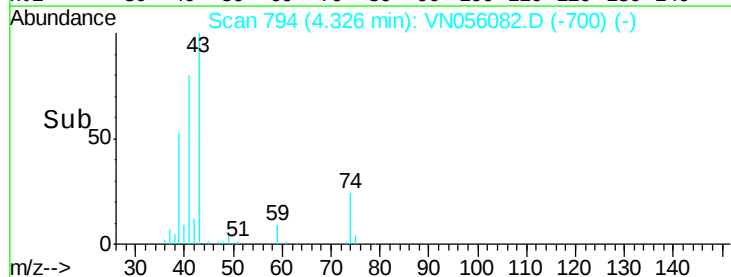
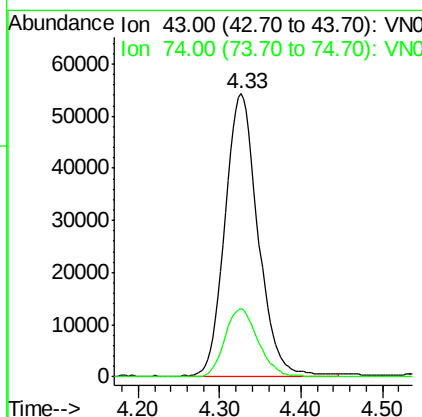
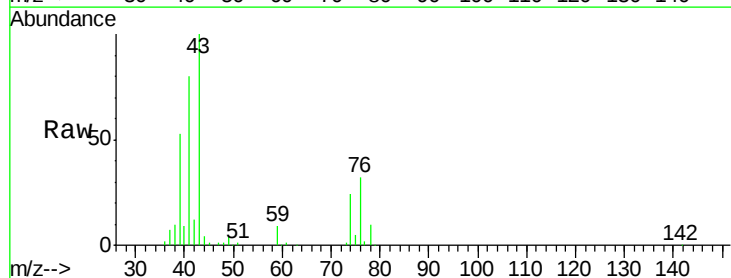
Manual Integrations
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6/7/2019 9:42:00 AM



#18
Methyl Acetate
Concen: 57.295 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056082.D
Acq: 7 Jun 2019 7:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.3	28.9





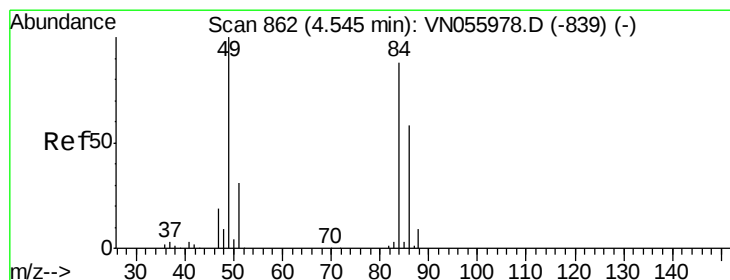
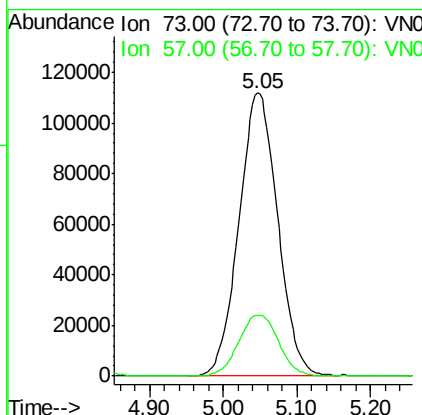
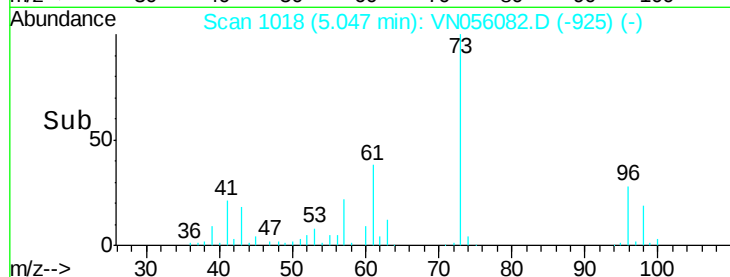
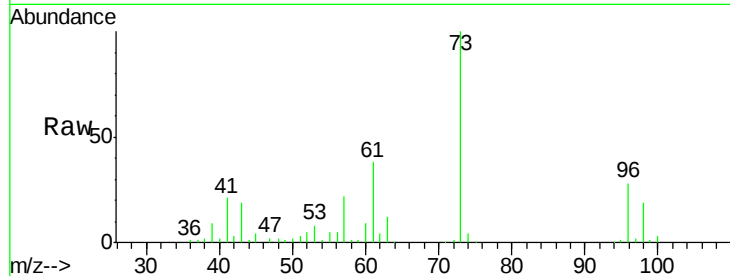
#19
Methvl tert-butvl Ether
Concen: 53.485 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056082.D
Acq: 7 Jun 2019 7:14

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW304S-30190604MSD

Tot Ion: 73 Resp: 410123
Ion Ratio Lower Upper
73 100
57 21.6 17.8 26.8

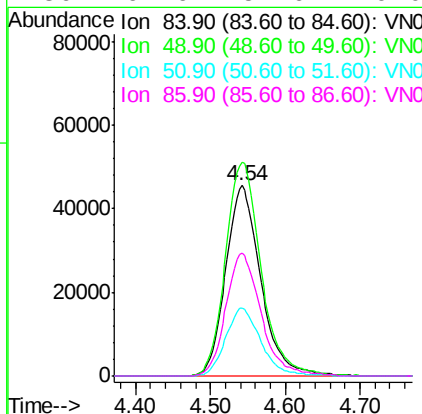
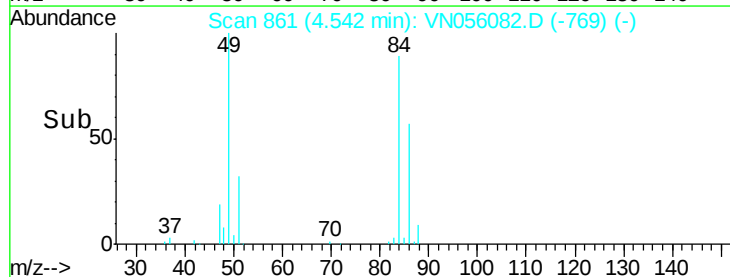
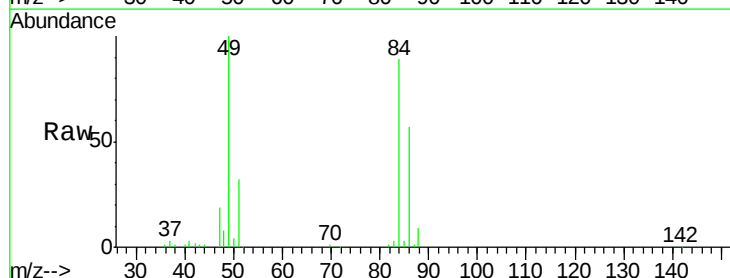
Manual Integrations
APPROVED

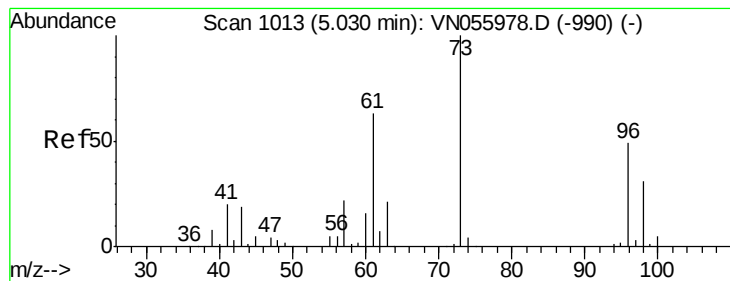
MMDadoda
6/7/2019 9:42:00 AM



#20
Methylene Chloride
Concen: 52.822 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056082.D
Acq: 7 Jun 2019 7:14

Tgt Ion: 84 Resp: 148091
Ion Ratio Lower Upper
84 100
49 112.3 93.5 140.3
51 35.9 28.6 43.0
86 64.6 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 51.652 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VN056082.D

Acq: 7 Jun 2019 7:14

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW304S-30190604MSD

Tot Ion: 96 Resp: 133134

Ion Ratio Lower Upper

96 100

61 131.7 107.8 161.8

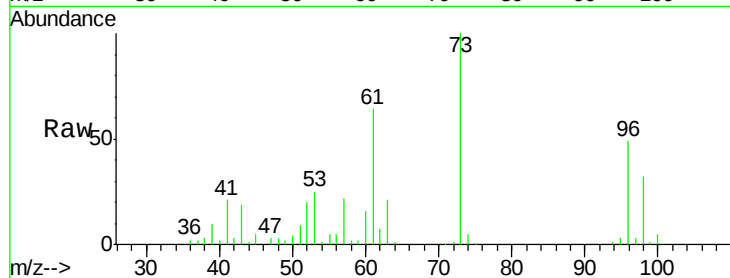
98 65.3 49.8 74.8

Manual Integrations

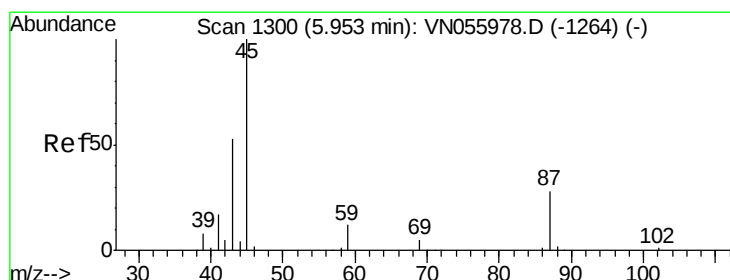
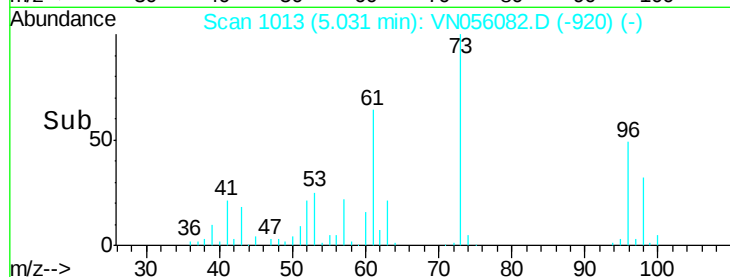
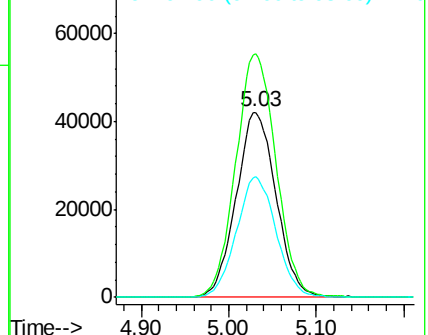
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6/7/2019 9:42:00 AM



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



#22

Diisopropyl ether

Concen: 53.502 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN056082.D

Acq: 7 Jun 2019 7:14

Tgt Ion: 45 Resp: 420109

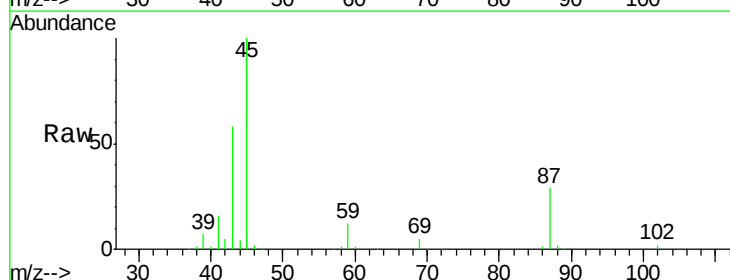
Ion Ratio Lower Upper

45 100

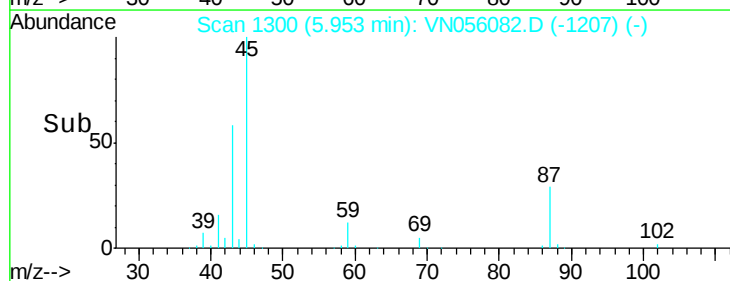
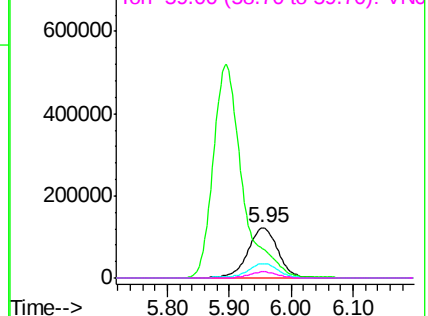
43 56.9 45.0 67.6

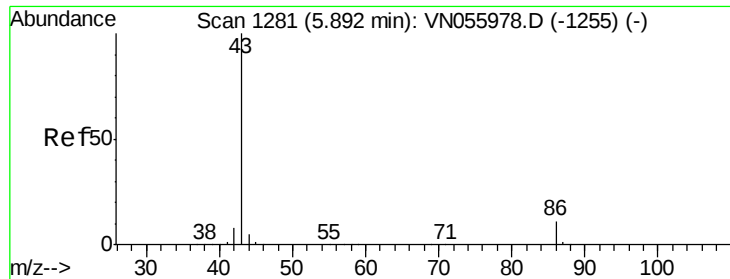
87 28.6 22.2 33.4

59 12.1 9.1 13.7



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





#23

Vinyl Acetate

Concen: 275.656 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056082.D

Acq: 7 Jun 2019 7:14

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW304S-30190604MSD

Tot Ion: 43 Resp: 1704567

Ion Ratio Lower Upper

43 100

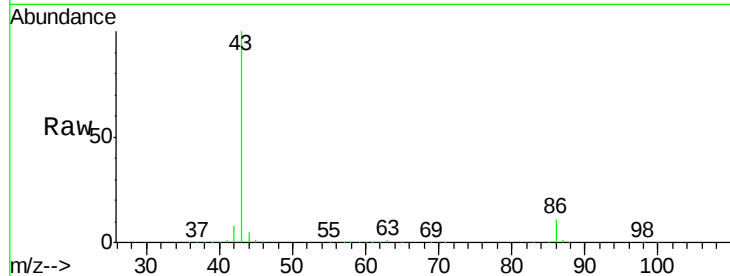
86 10.9 8.6 13.0

Manual Integrations

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MMDadoda

6/7/2019 9:42:00 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

600000

500000

400000

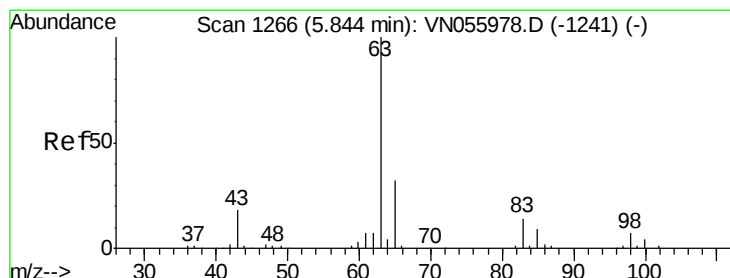
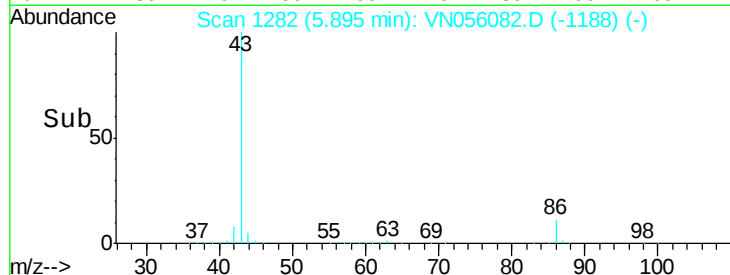
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 53.188 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN056082.D

Acq: 7 Jun 2019 7:14

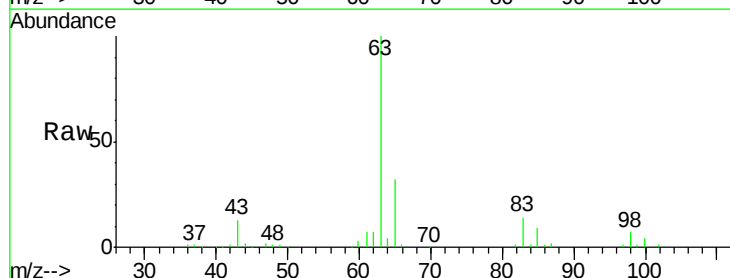
Tgt Ion: 63 Resp: 240914

Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.1

100 4.3 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

100000

80000

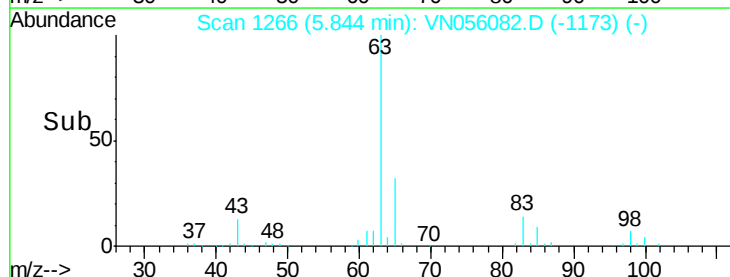
60000

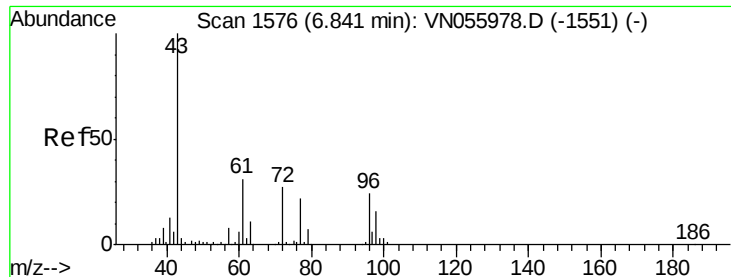
40000

20000

0

Time-->





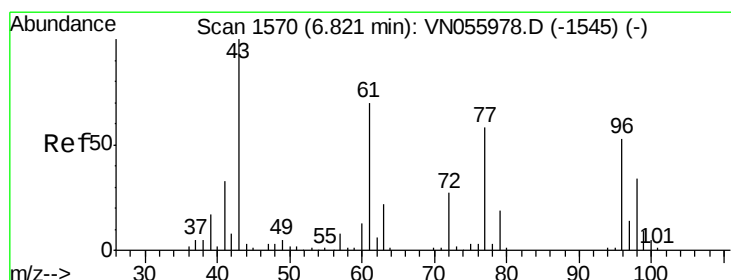
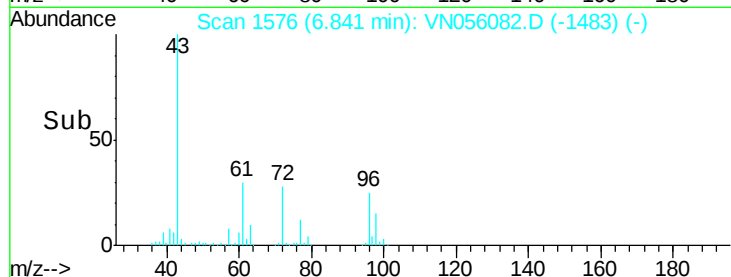
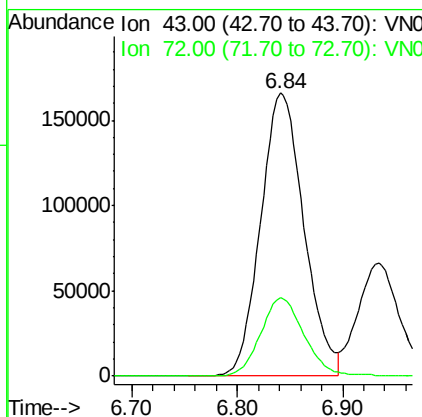
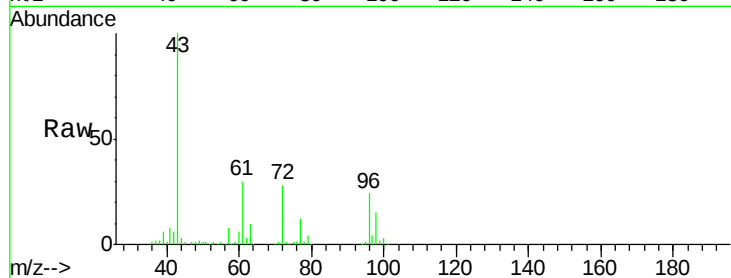
#25
2-Butanone
Concen: 274.306 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN056082.D
Acq: 7 Jun 2019 7:14

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW304S-30190604MSD

Tot Ion: 43 Resp: 471627
Ion Ratio Lower Upper
43 100
72 27.6 21.9 32.9

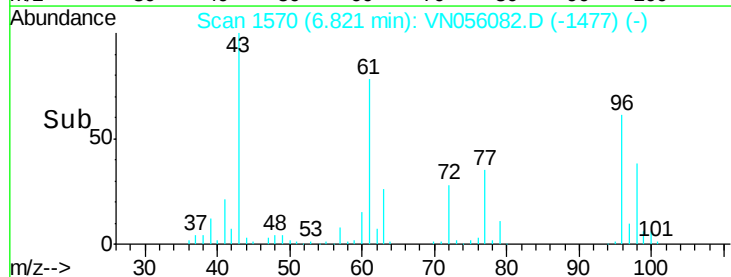
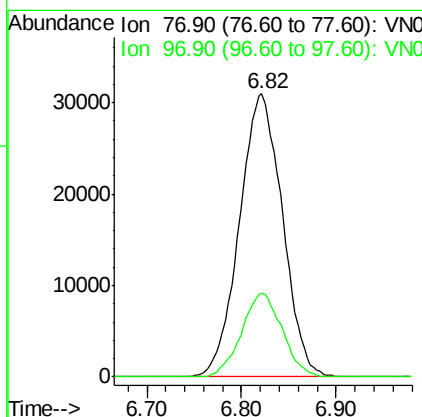
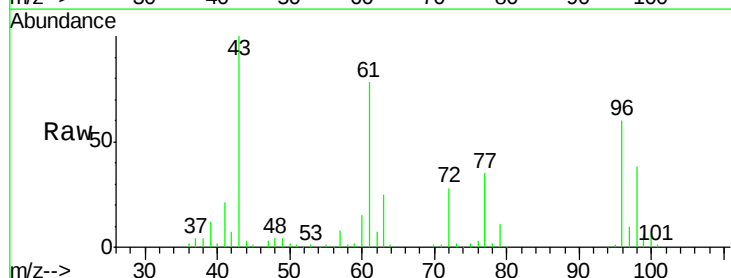
Manual Integrations
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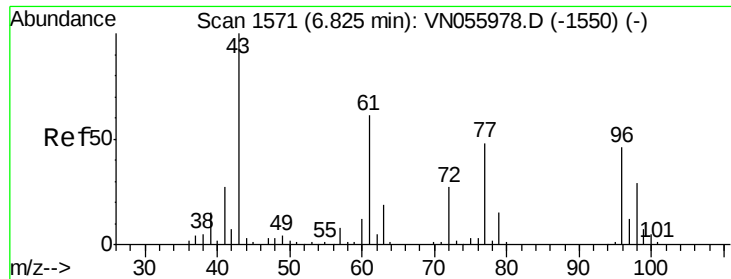
MMDadoda
6/7/2019 9:42:00 AM



#26
2,2-Dichloropropane
Concen: 27.652 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN056082.D
Acq: 7 Jun 2019 7:14

Tgt Ion: 77 Resp: 97735
Ion Ratio Lower Upper
77 100
97 27.8 12.2 36.6





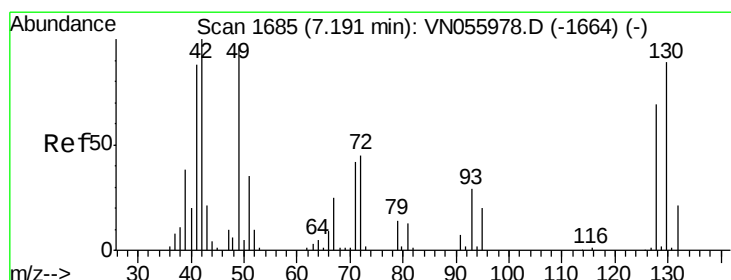
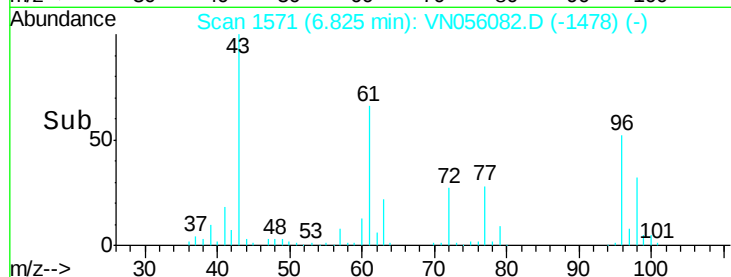
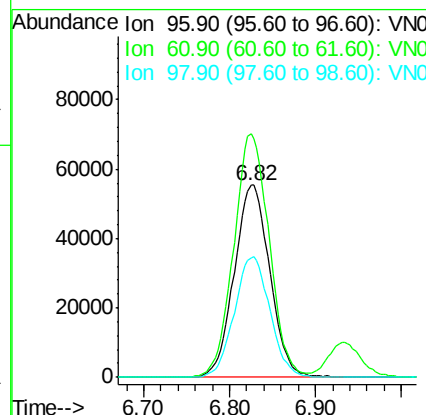
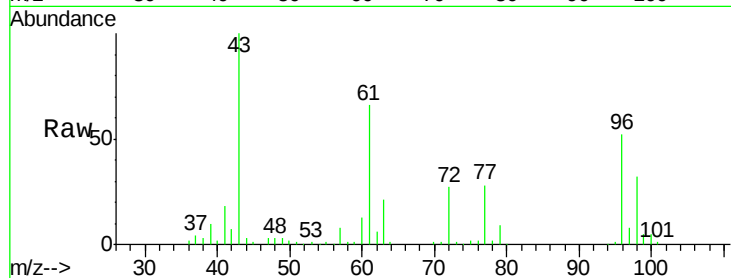
#27
 cis-1,2-Dichloroethene
 Concen: 52.623 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN056082.D
 Acq: 7 Jun 2019 7:14

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW304S-30190604MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	159439		
61	126.0	0.0	275.8	
98	62.7	0.0	128.4	

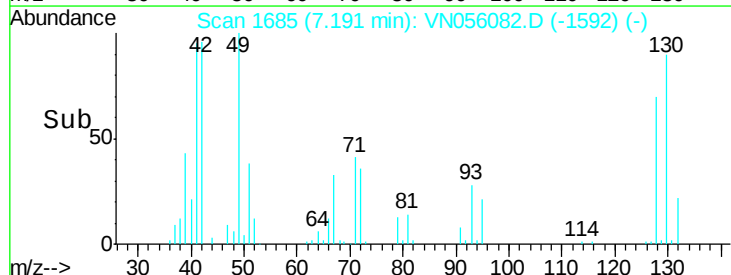
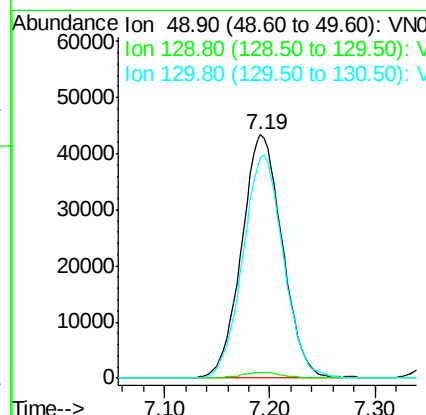
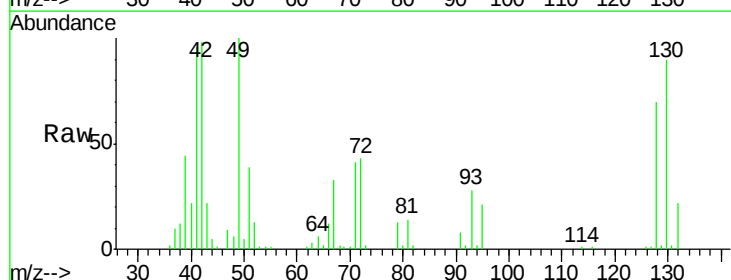
Manual Integrations
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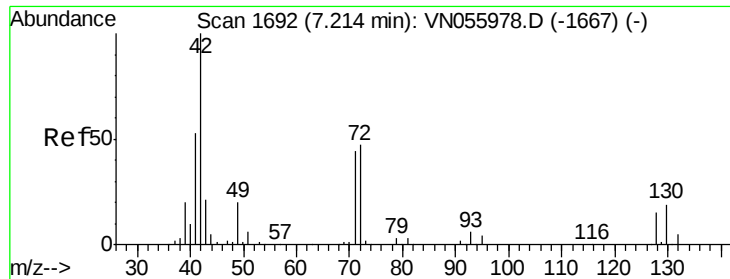
MMDadoda
 6/7/2019 9:42:00 AM



#28
 Bromochloromethane
 Concen: 54.346 ug/l
 RT: 7.19 min Scan# 1685
 Delta R.T. 0.00 min
 Lab File: VN056082.D
 Acq: 7 Jun 2019 7:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	116409		
129	2.3	0.0	4.4	
130	91.4	71.2	106.8	





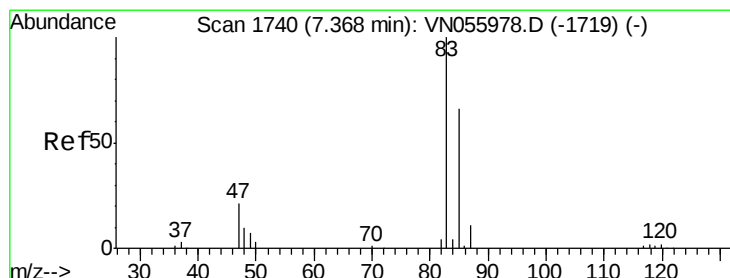
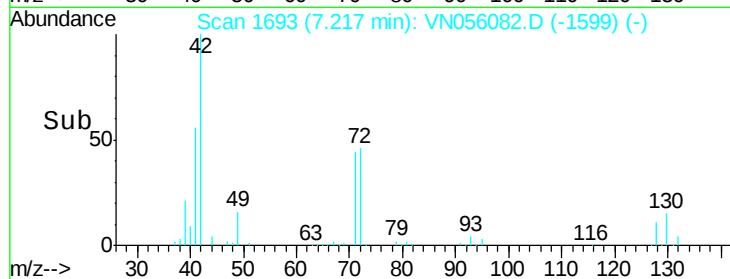
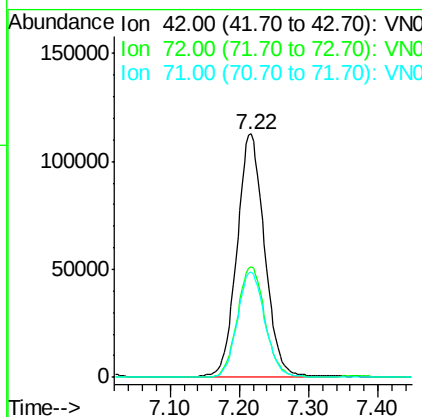
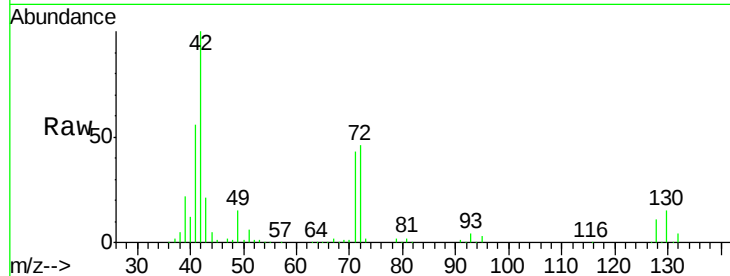
#29
Tetrahydrofuran
Concen: 295.786 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056082.D
Acq: 7 Jun 2019 7:14

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW304S-30190604MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.5	35.9	53.9
71	43.0	34.0	51.0

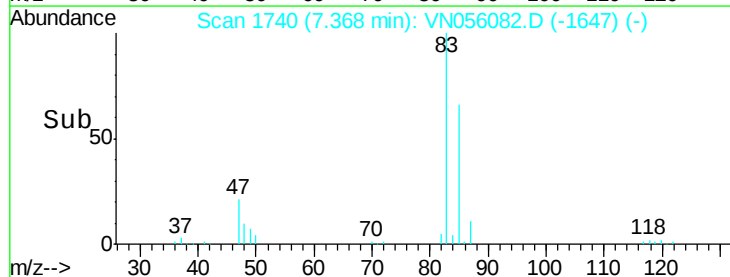
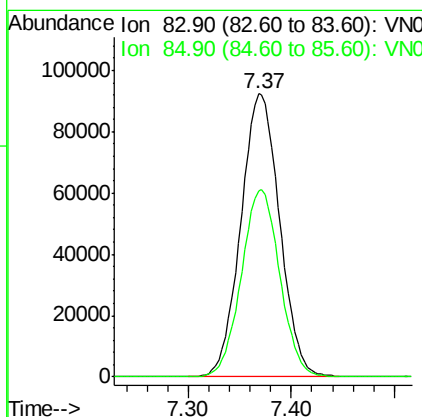
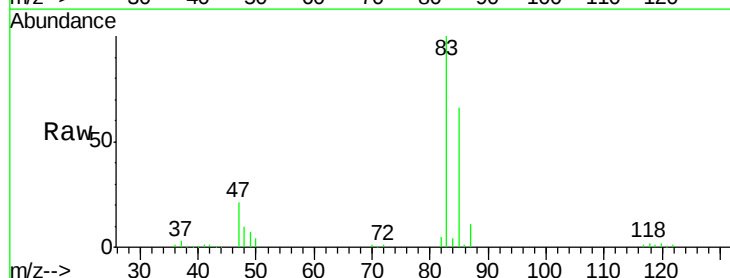
Manual Integrations
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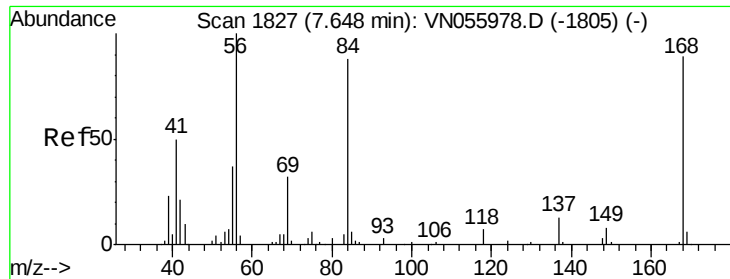
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6/7/2019 9:42:00 AM



#30
Chloroform
Concen: 53.042 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VN056082.D
Acq: 7 Jun 2019 7:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.8	77.8





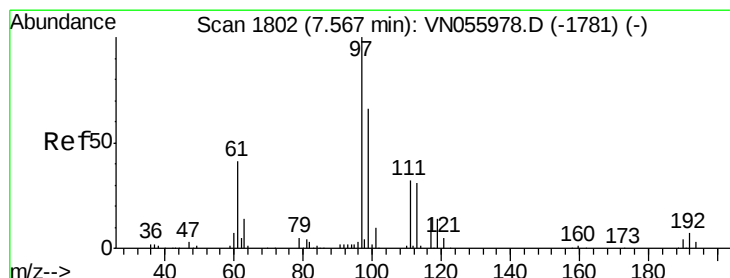
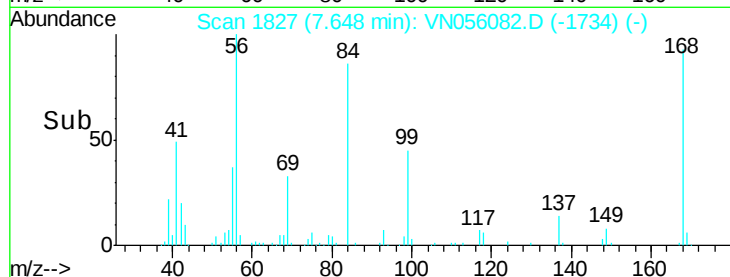
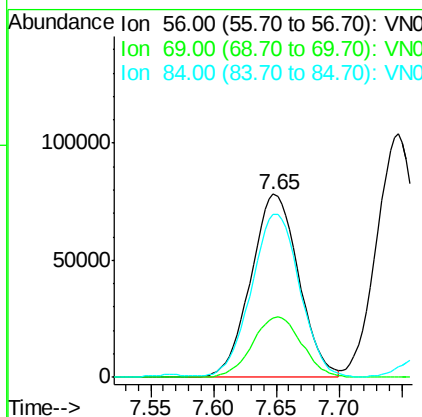
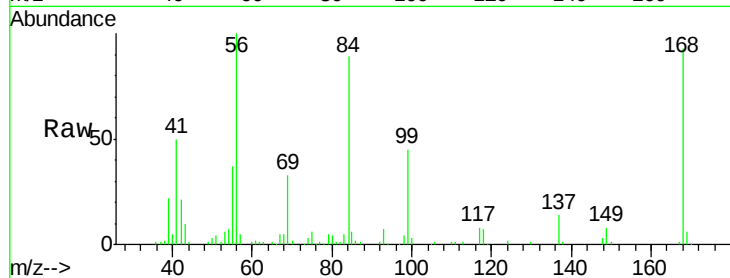
#31
Cyclohexane
Concen: 45.991 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN056082.D
Acq: 7 Jun 2019 7:14

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW304S-30190604MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.6	25.6	38.4
84	87.7	67.4	101.0

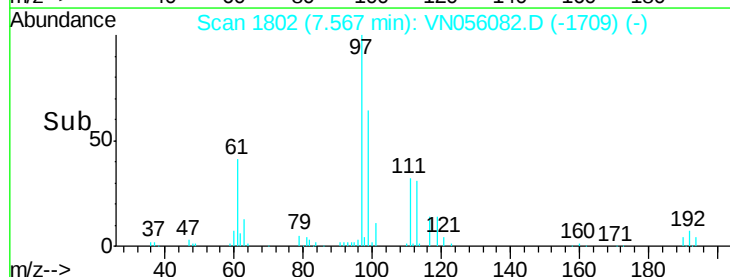
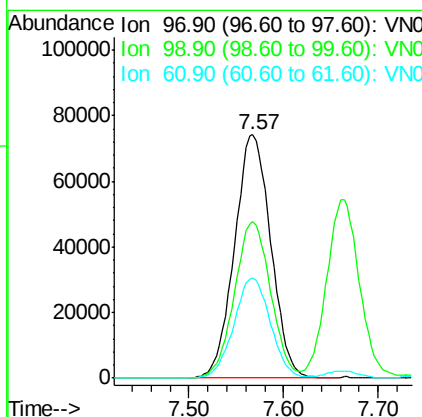
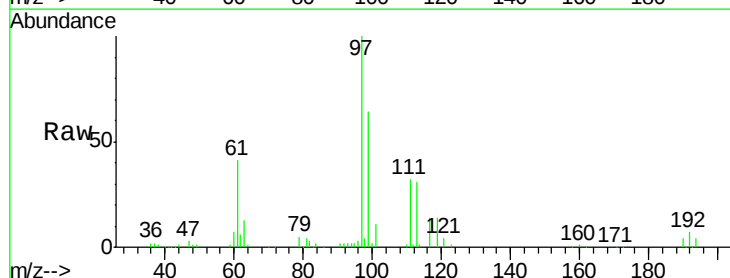
Manual Integrations
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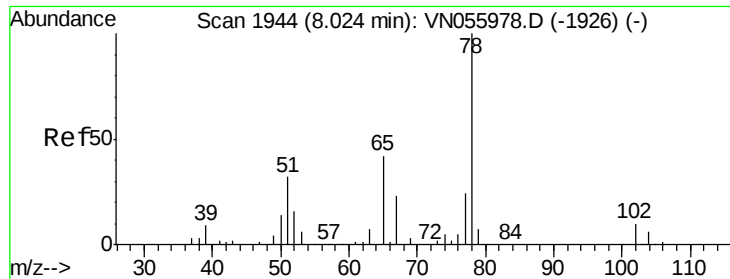
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6/7/2019 9:42:00 AM



#32
1,1,1-Trichloroethane
Concen: 51.989 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN056082.D
Acq: 7 Jun 2019 7:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.0	78.0
61	41.4	32.9	49.3





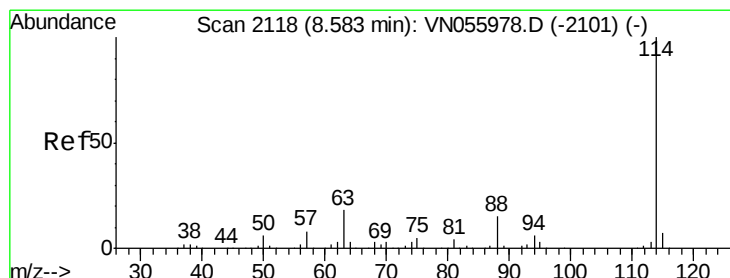
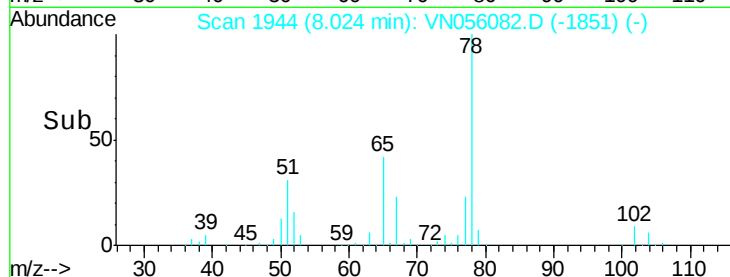
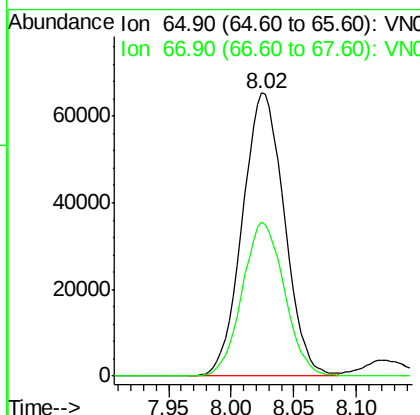
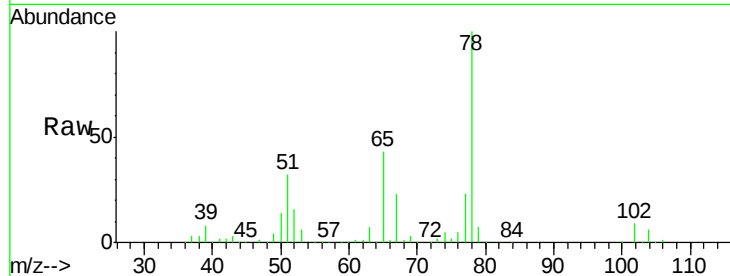
#33
 1,2-Dichloroethane-d4
 Concen: 53.646 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN056082.D
 Acq: 7 Jun 2019 7:14

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW304S-30190604MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.5	0.0	109.2	

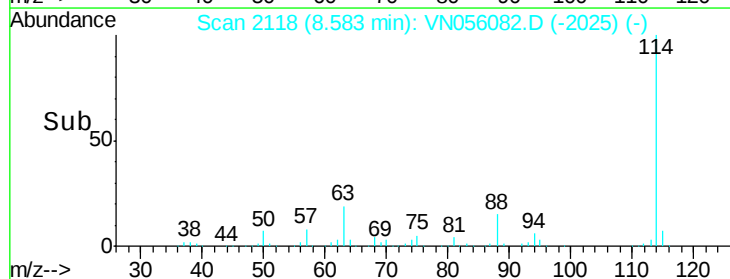
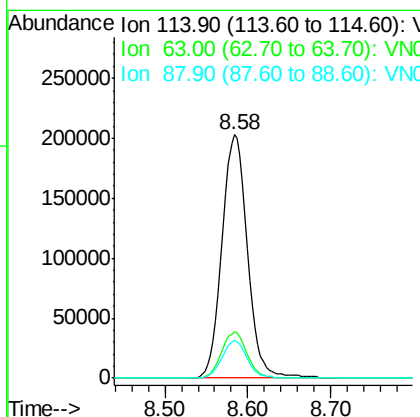
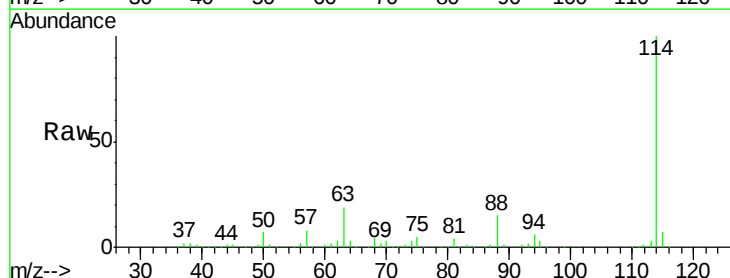
Manual Integrations
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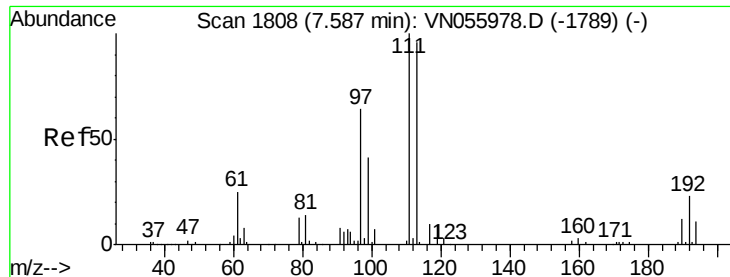
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 6/7/2019 9:42:00 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056082.D
 Acq: 7 Jun 2019 7:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.9	0.0	39.2	
88	15.2	0.0	31.0	





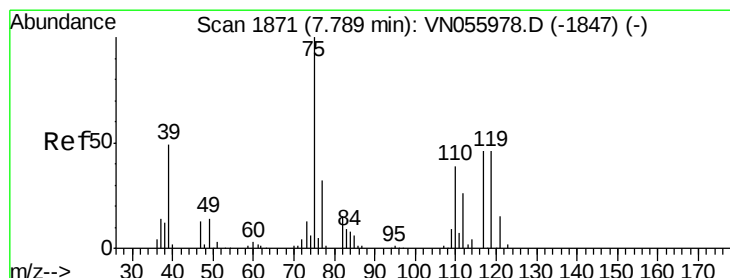
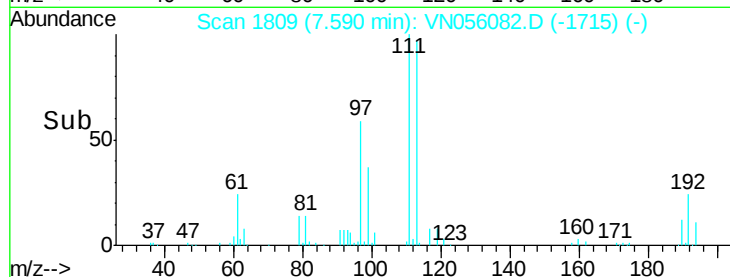
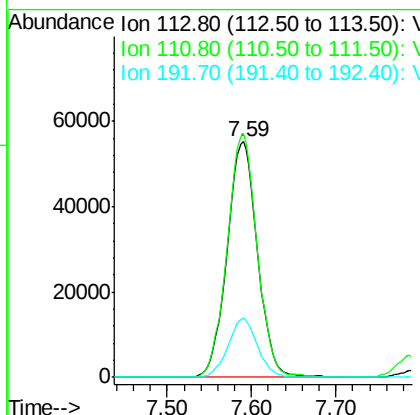
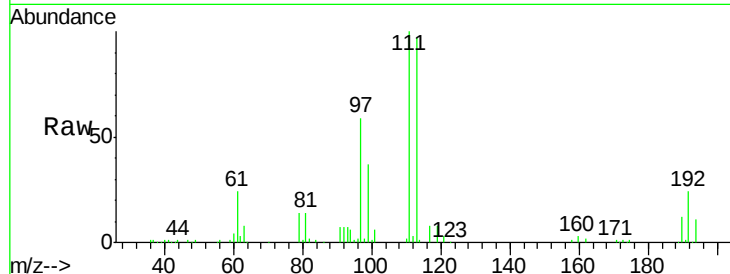
#35
 Dibromofluoromethane
 Concen: 52.012 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056082.D
 Acq: 7 Jun 2019 7:14

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW304S-30190604MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.8	81.9	122.9	
192	24.1	19.5	29.3	

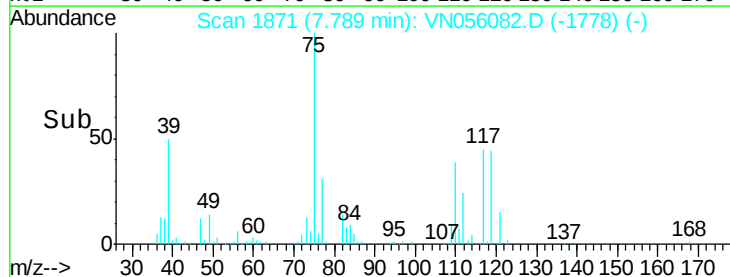
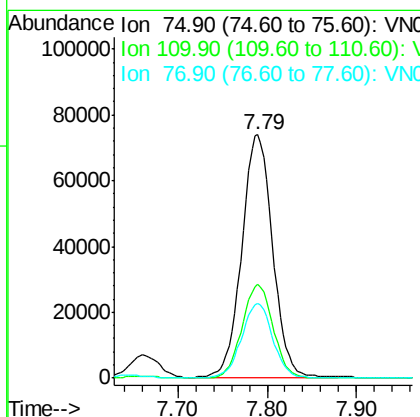
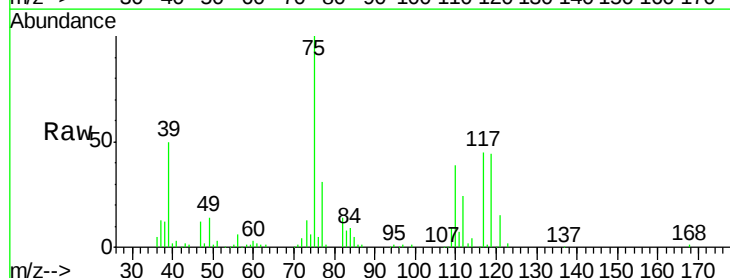
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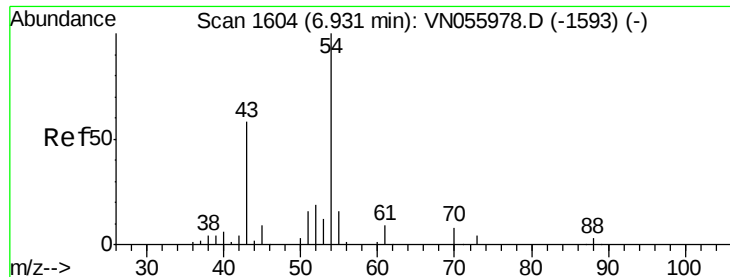
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#36
 1,1-Dichloropropene
 Concen: 47.591 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056082.D
 Acq: 7 Jun 2019 7:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.7	19.0	57.0	
77	31.4	25.1	37.7	





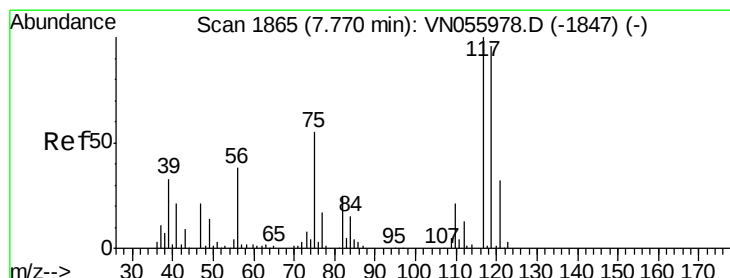
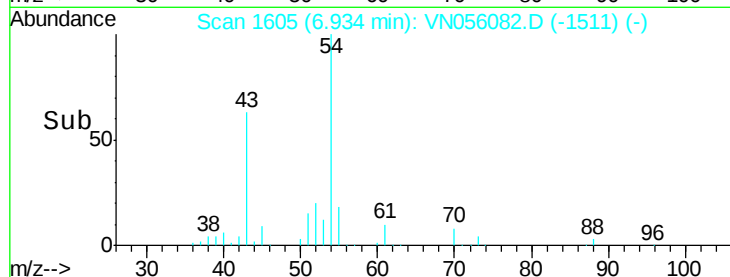
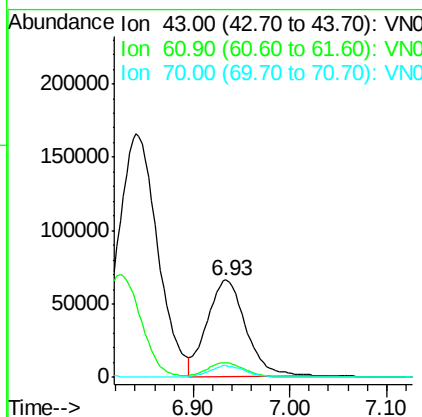
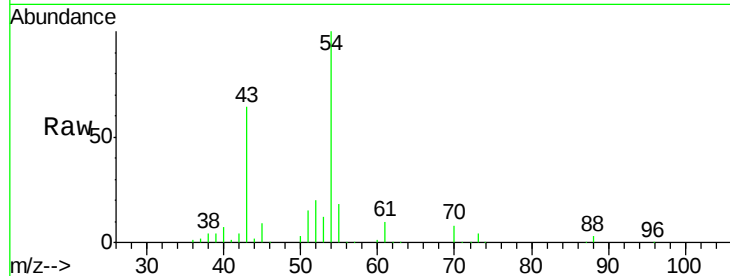
#37
Ethyl Acetate
Concen: 55.797 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056082.D
Acq: 7 Jun 2019 7:14

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW304S-30190604MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	12.2	18.2
70	11.3	8.9	13.3

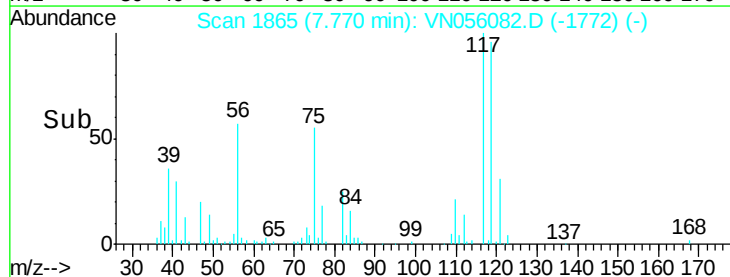
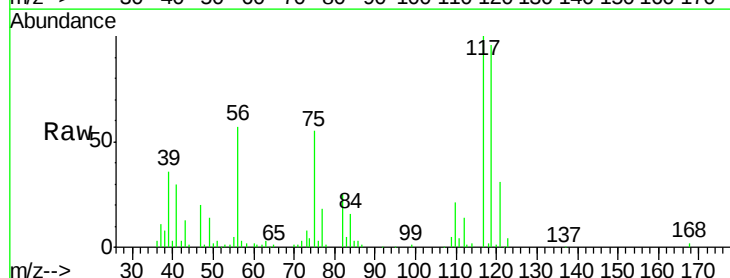
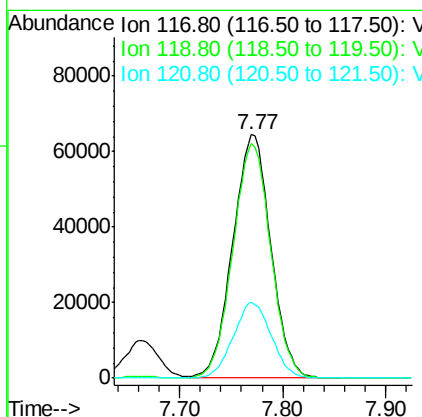
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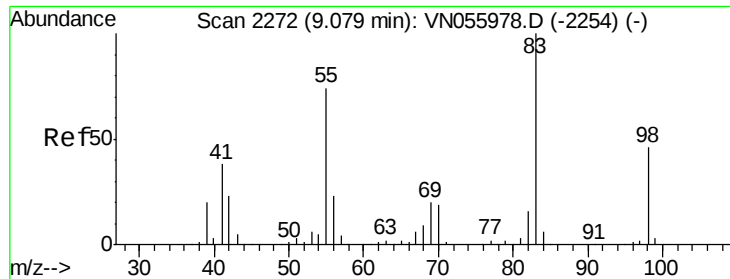
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#38
Carbon Tetrachloride
Concen: 48.176 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056082.D
Acq: 7 Jun 2019 7:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	79.0	118.6
121	30.9	24.7	37.1





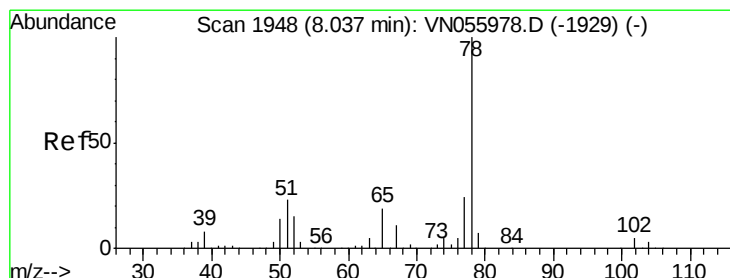
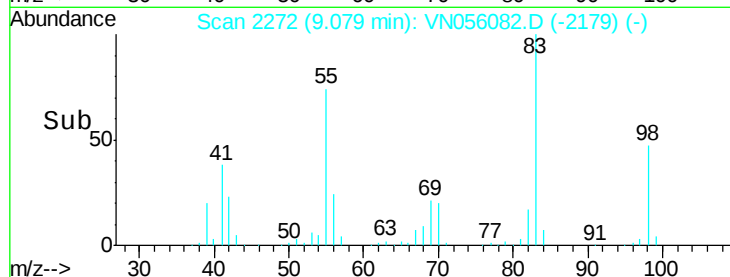
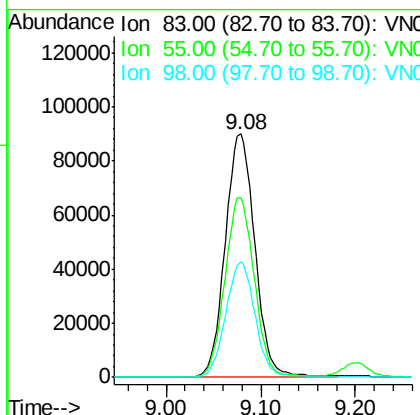
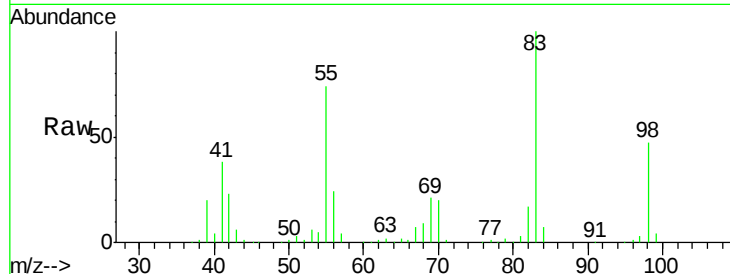
#39
Methvlcvclohexane
Concen: 42.342 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056082.D
Acq: 7 Jun 2019 7:14

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW304S-30190604MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.9	59.3	88.9
98	47.4	36.6	54.8

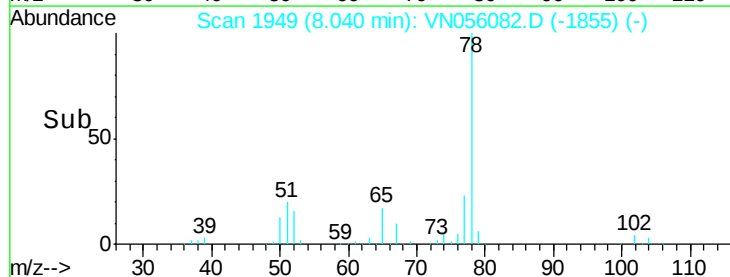
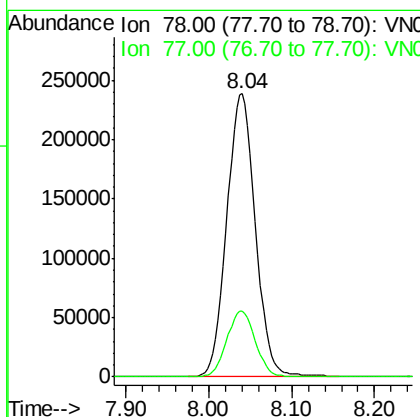
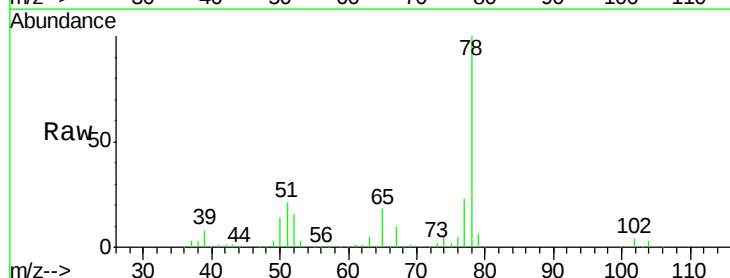
Manual Integrations
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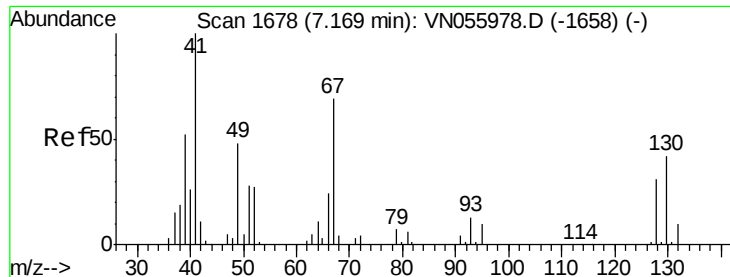
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6/7/2019 9:42:00 AM



#40
Benzene
Concen: 50.592 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056082.D
Acq: 7 Jun 2019 7:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2





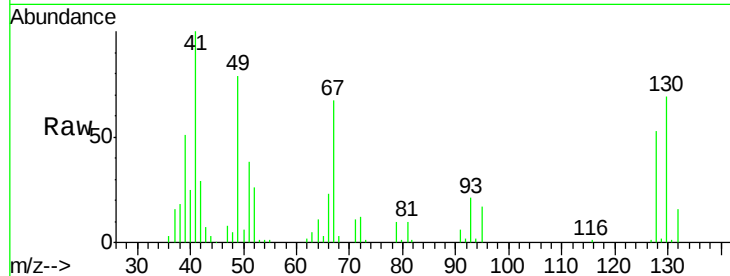
#41
Methacrylonitrile
Concen: 58.560 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN056082.D
Acq: 7 Jun 2019 7:14

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW304S-30190604MSD

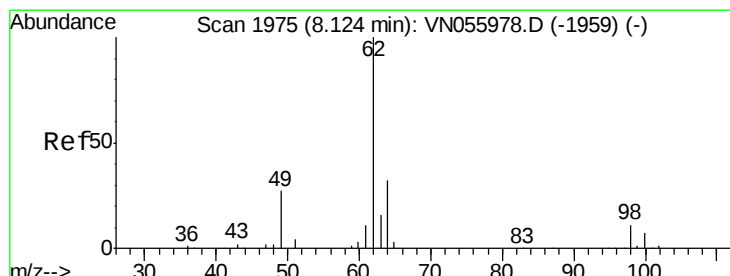
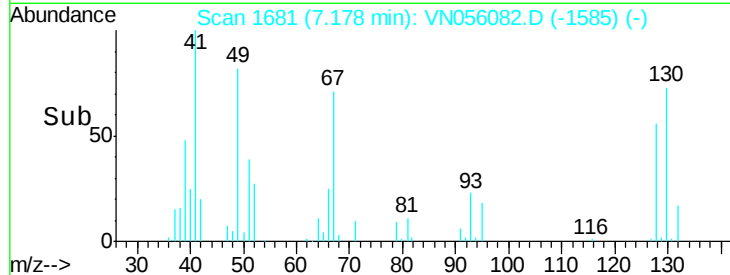
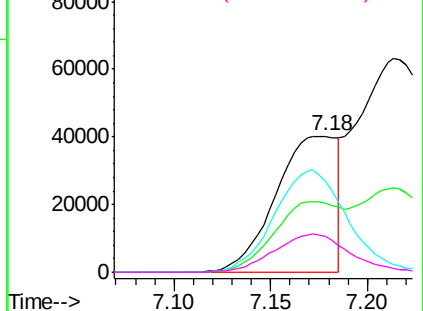
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.1	45.6	68.4	
67	89.5	67.7	101.5	
52	34.7	26.6	40.0	

Manual Integrations
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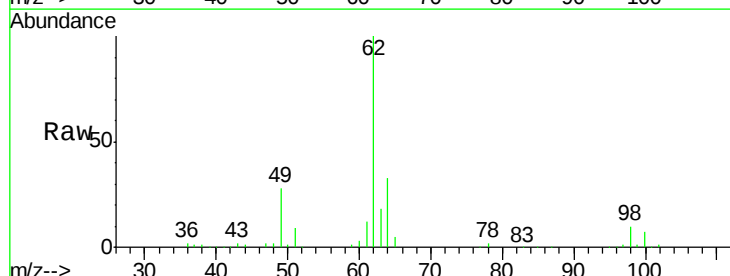


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

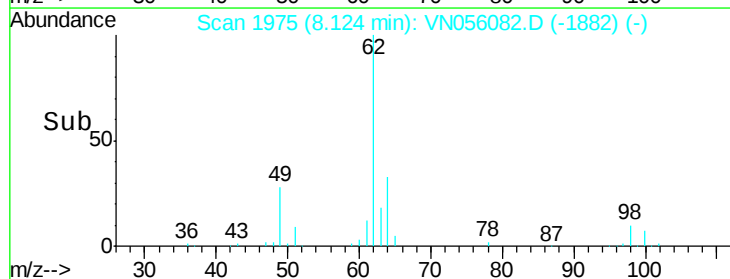
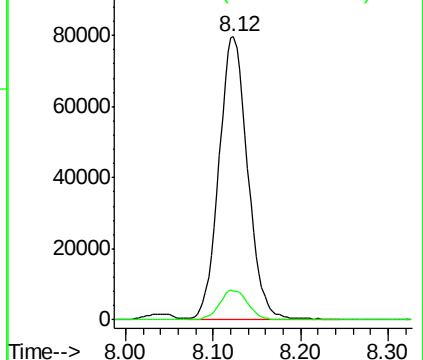


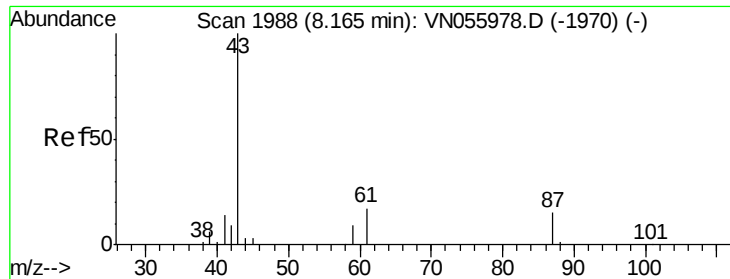
#42
1,2-Dichloroethane
Concen: 50.145 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056082.D
Acq: 7 Jun 2019 7:14

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.3	0.0	20.2	



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 52.823 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056082.D

Acq: 7 Jun 2019 7:14

Instrument :

MSVOA_N

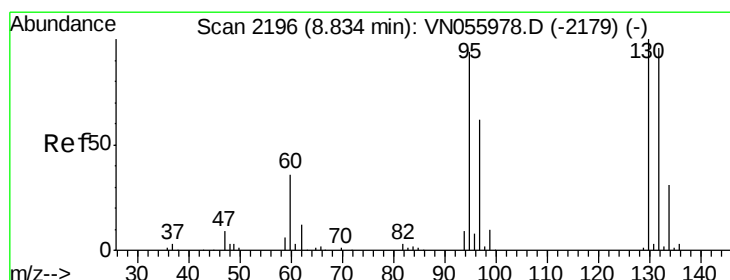
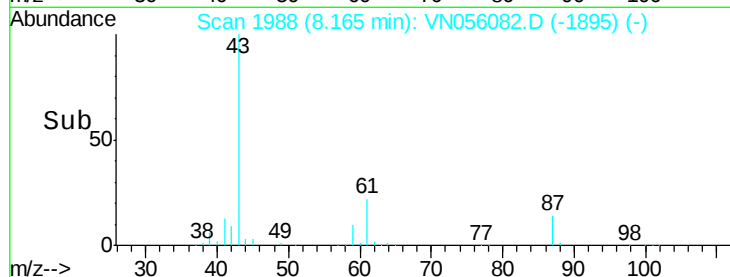
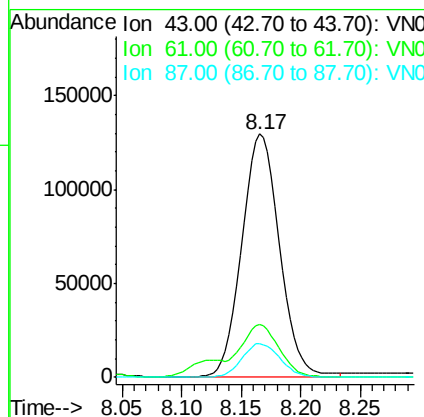
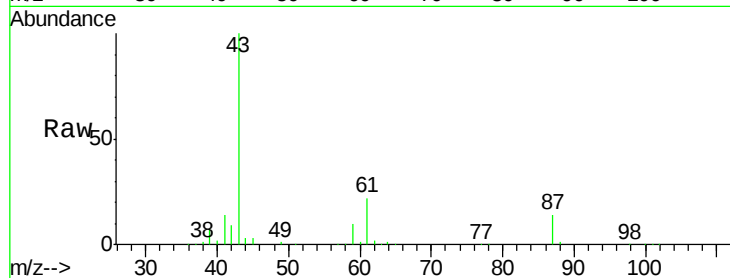
ClientSampleId :

BPS1-TT-MW304S-30190604MSD

Tot Ion:	43	Resp:	283610
Ion	Ratio	Lower	Upper
43	100		
61	22.4	22.2	33.4
87	14.1	11.4	17.2

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#44

Trichloroethene

Concen: 49.425 ug/l

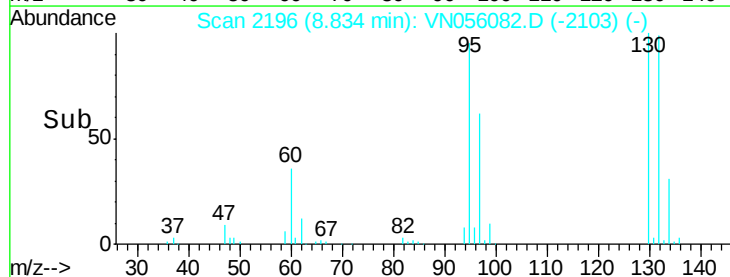
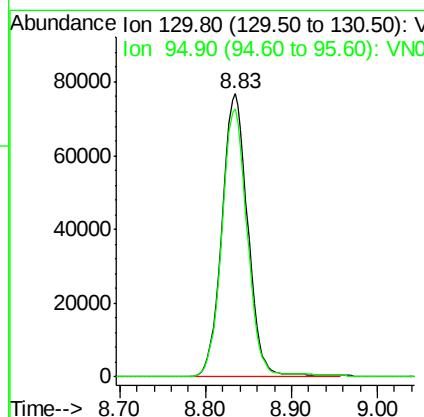
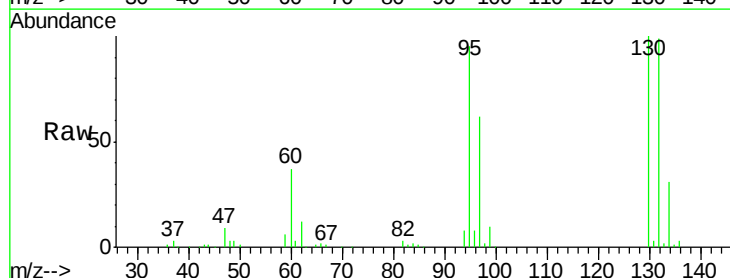
RT: 8.83 min Scan# 2196

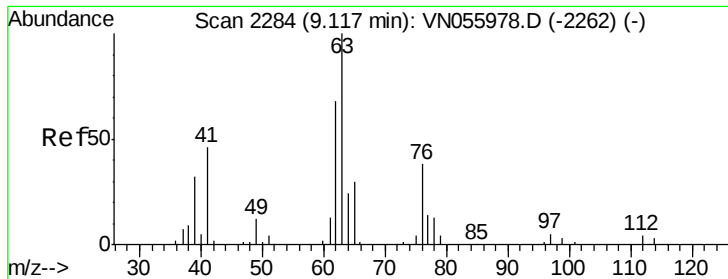
Delta R.T. 0.00 min

Lab File: VN056082.D

Acq: 7 Jun 2019 7:14

Tgt Ion:	130	Resp:	160626
Ion	Ratio	Lower	Upper
130	100		
95	94.9	0.0	188.0





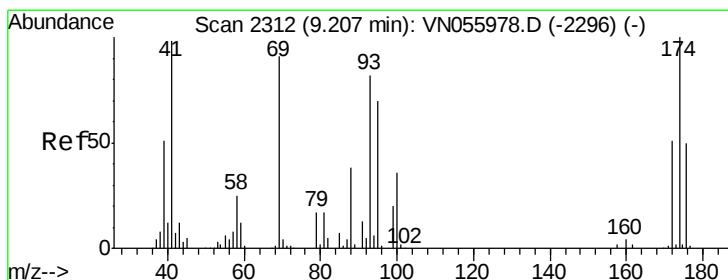
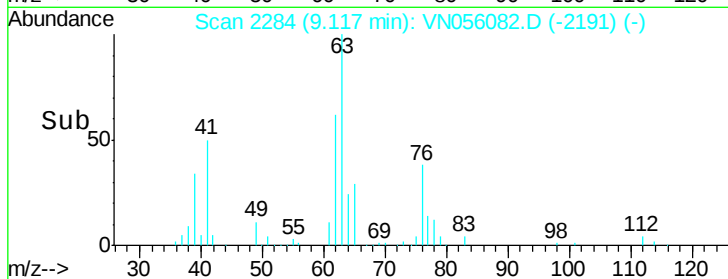
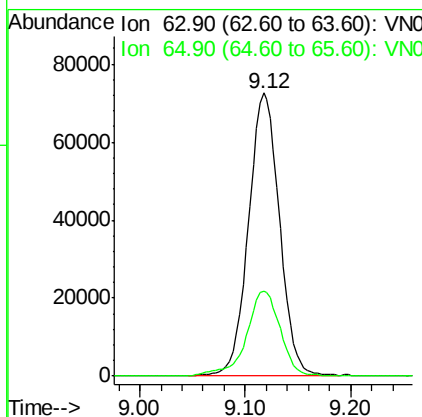
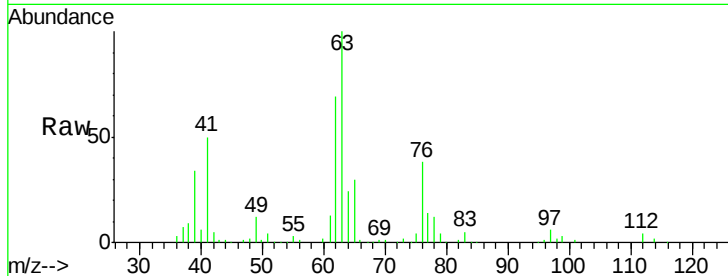
#45
 1,2-Dichloropropane
 Concen: 51.445 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056082.D
 Acq: 7 Jun 2019 7:14

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW304S-30190604MSD

Tot Ion: 63 Resp: 149033
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.6 36.8

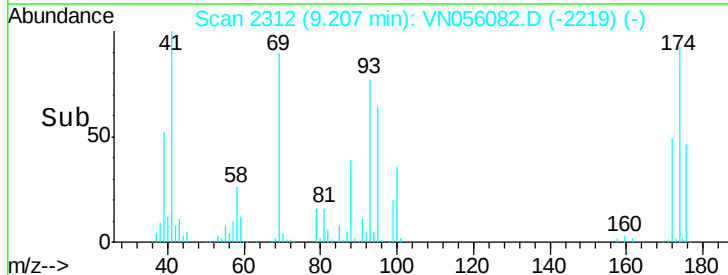
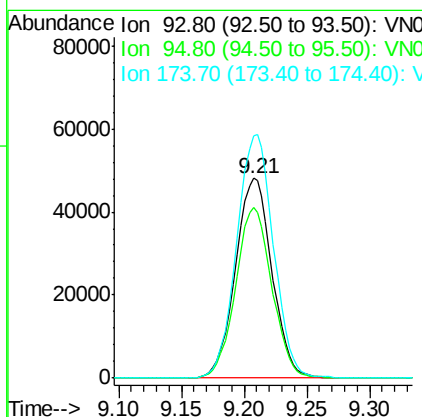
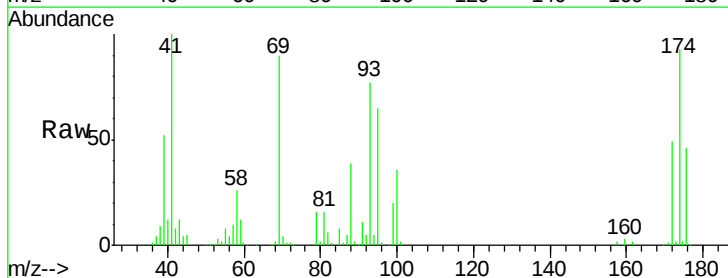
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#46
 Dibromomethane
 Concen: 51.560 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056082.D
 Acq: 7 Jun 2019 7:14

Tgt Ion: 93 Resp: 97676
 Ion Ratio Lower Upper
 93 100
 95 84.4 66.7 100.1
 174 122.7 96.4 144.6





#47

Bromodichloromethane

Concen: 51.291 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056082.D

Acq: 7 Jun 2019 7:14

Instrument :

MSVOA_N

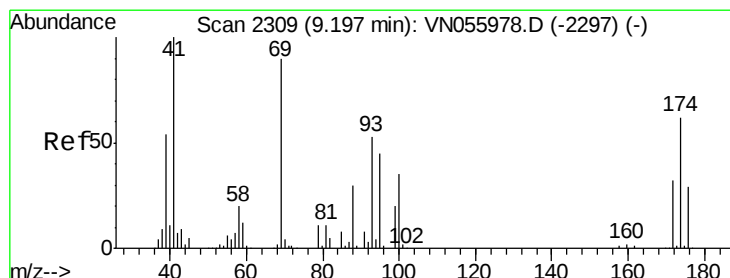
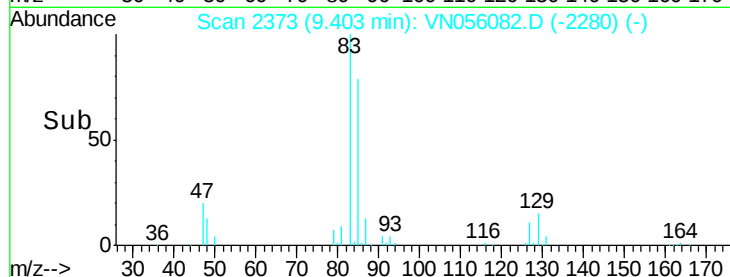
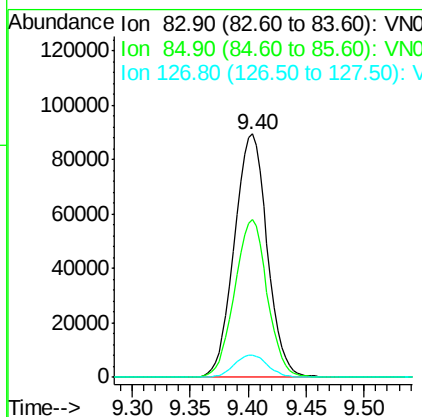
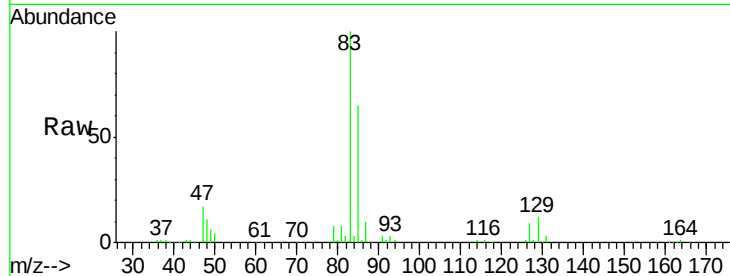
ClientSampleId :

BPS1-TT-MW304S-30190604MSD

Tot Ion:	83	Resp:	176105
Ion Ratio	Lower	Upper	
83	100		
85	64.7	52.2	78.2
127	9.3	7.4	11.0

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#48

Methyl methacrylate

Concen: 54.900 ug/l

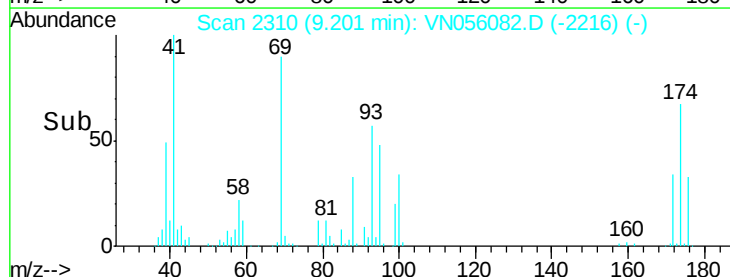
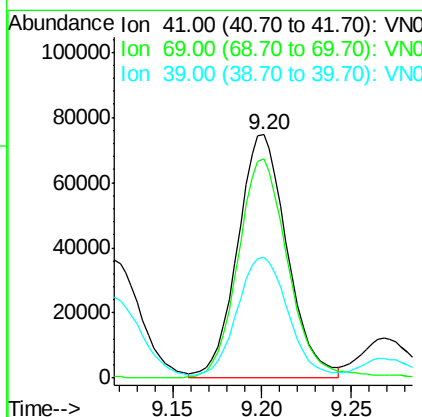
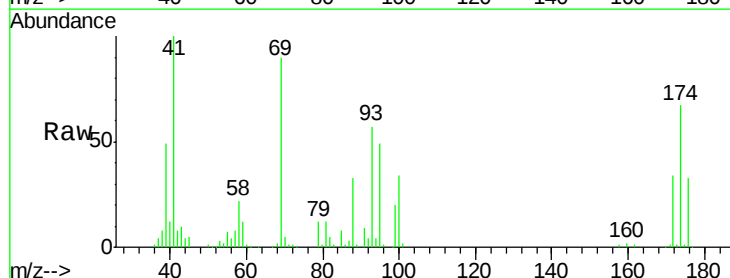
RT: 9.20 min Scan# 2310

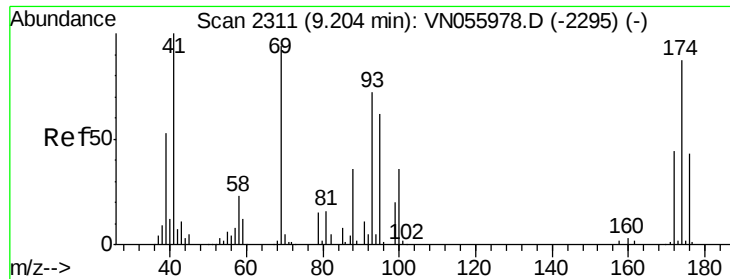
Delta R.T. 0.00 min

Lab File: VN056082.D

Acq: 7 Jun 2019 7:14

Tgt Ion:	41	Resp:	144206
Ion Ratio	Lower	Upper	
41	100		
69	91.4	71.0	106.6
39	51.4	44.2	66.2





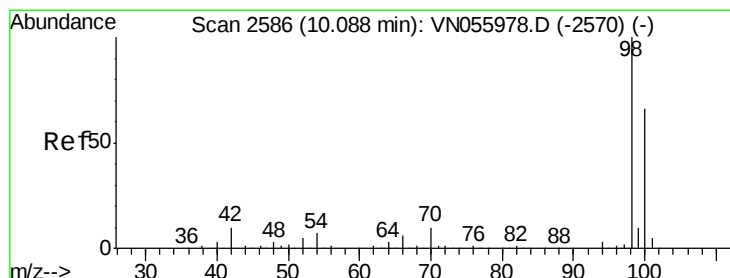
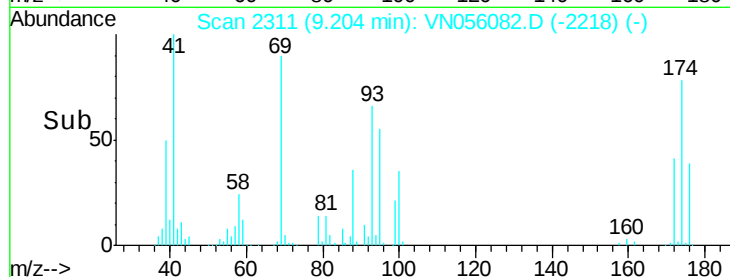
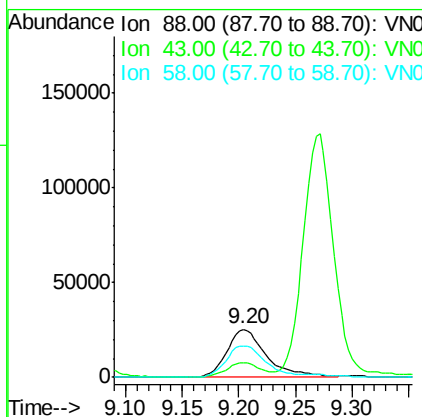
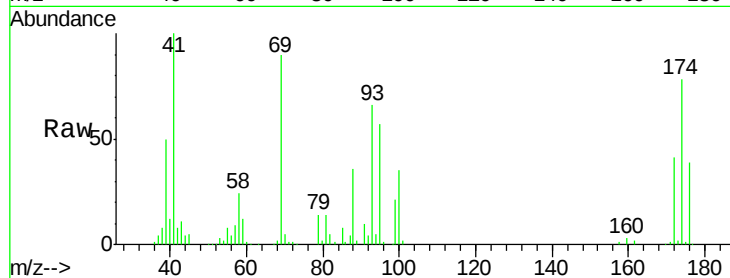
#49
1,4-Dioxane
Concen: 1095.702 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056082.D
Acq: 7 Jun 2019 7:14

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW304S-30190604MSD

Tot Ion	88	Resp	62134
Ion	Ratio	Lower	Upper
88	100		
43	24.2	20.5	30.7
58	64.8	55.8	83.6

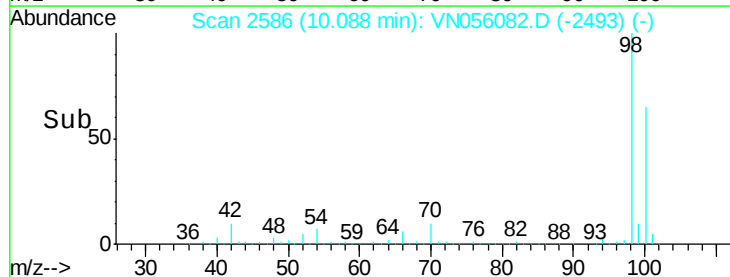
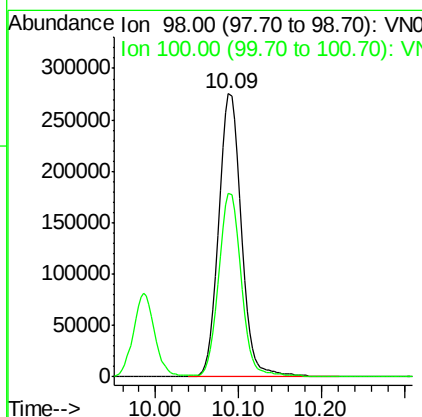
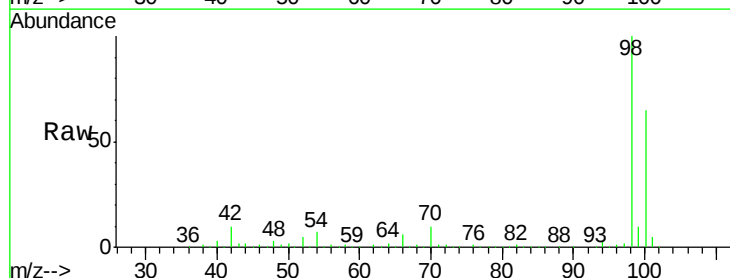
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#50
Toluene-d8
Concen: 51.026 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN056082.D
Acq: 7 Jun 2019 7:14

Tgt Ion	98	Resp	521704
Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 277.401 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056082.D

Acq: 7 Jun 2019 7:14

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW304S-30190604MSD

Tot Ion: 43 Resp: 931383

Ion Ratio Lower Upper

43 100

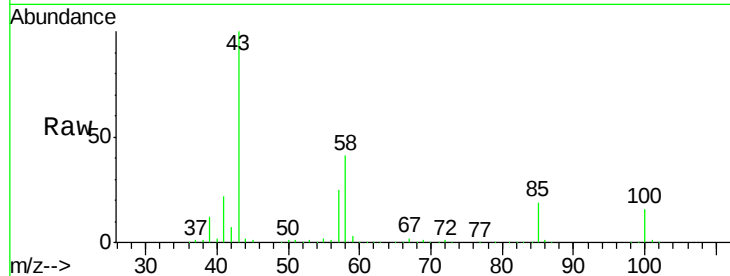
58 40.6 32.1 48.1

Manual Integrations

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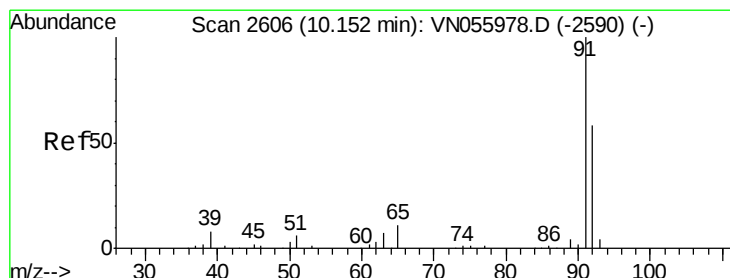
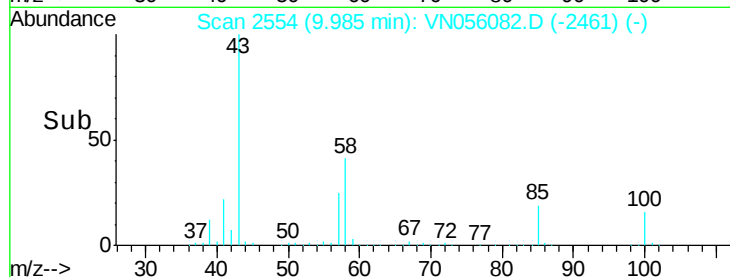
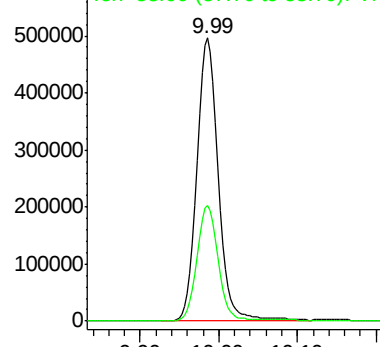
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.944 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN056082.D

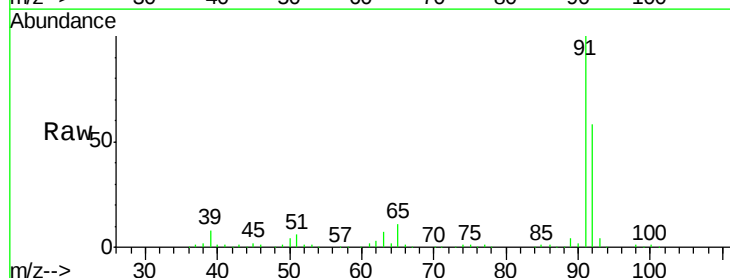
Acq: 7 Jun 2019 7:14

Tgt Ion: 92 Resp: 358534

Ion Ratio Lower Upper

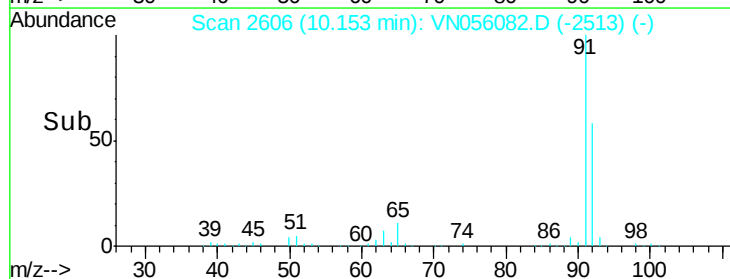
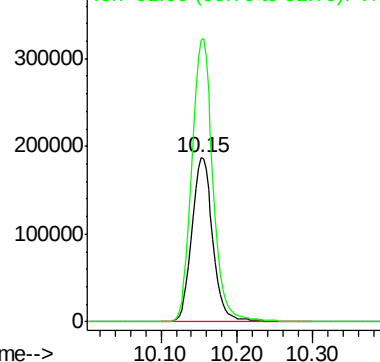
92 100

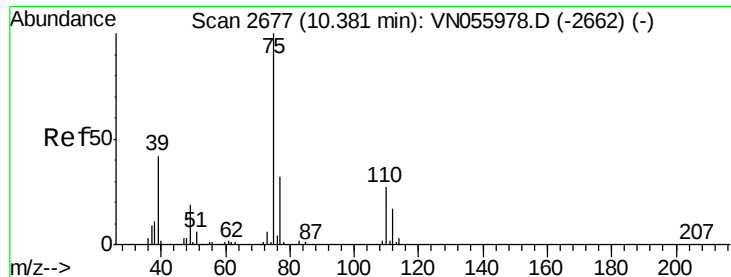
91 173.8 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





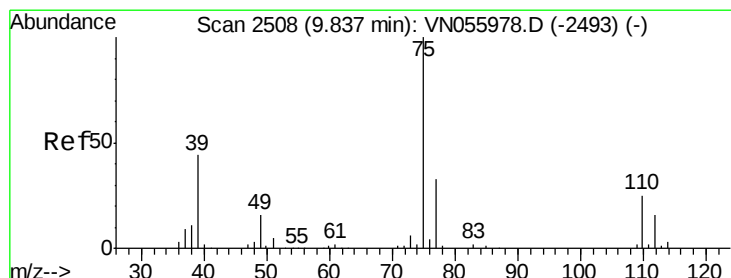
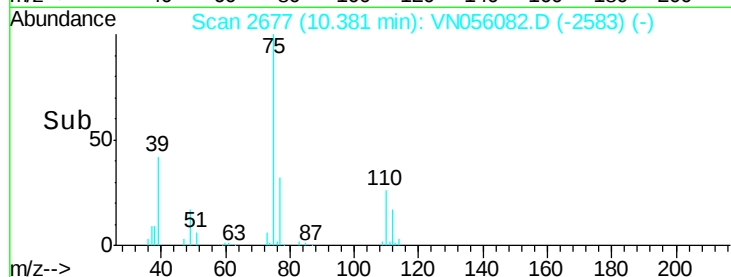
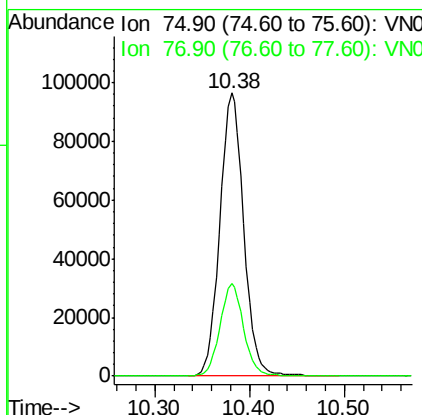
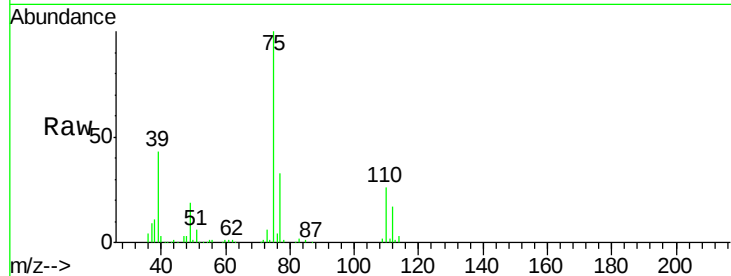
#53
 t-1,3-Dichloropropene
 Concen: 42.334 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN056082.D
 Acq: 7 Jun 2019 7:14

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW304S-30190604MSD

Tot Ion: 75 Resp: 168859
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.8 38.6

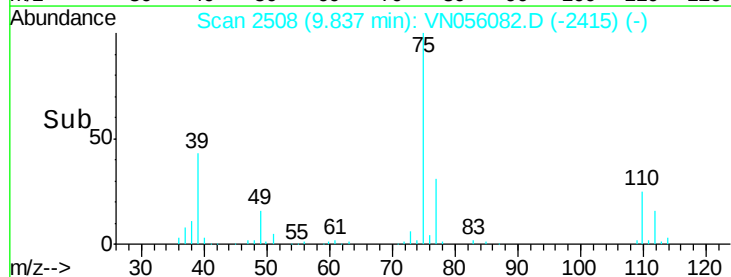
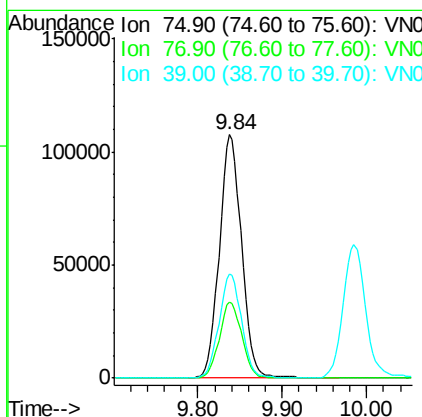
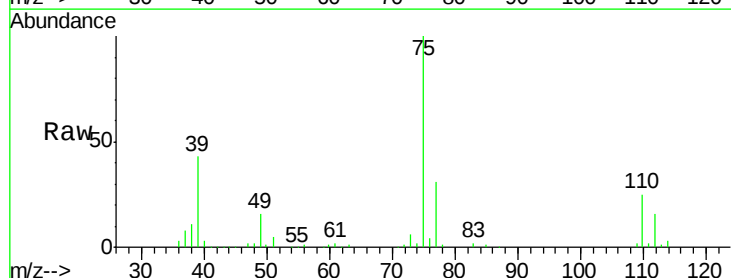
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#54
 cis-1,3-Dichloropropene
 Concen: 47.783 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN056082.D
 Acq: 7 Jun 2019 7:14

Tgt Ion: 75 Resp: 197200
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.4 38.0
 39 42.9 36.3 54.5





#55

1,1,2-Trichloroethane

Concen: 52.554 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN056082.D

Acq: 7 Jun 2019 7:14

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW304S-30190604MSD

Tot Ion: 97 Resp: 146509

Ion Ratio Lower Upper

97 100

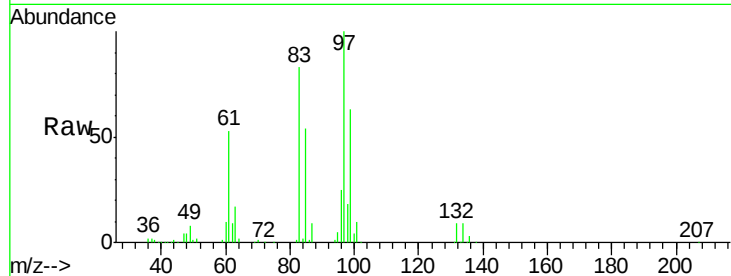
83 83.5 67.0 100.6

85 54.5 44.0 66.0

99 62.7 50.6 75.8

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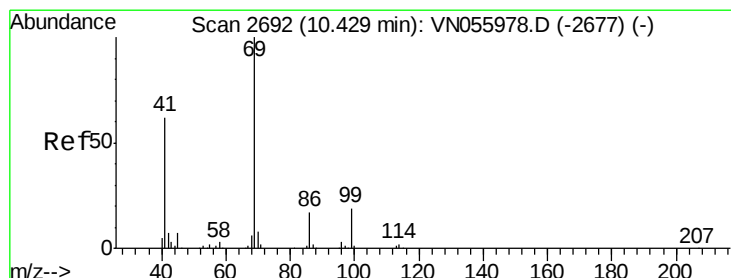
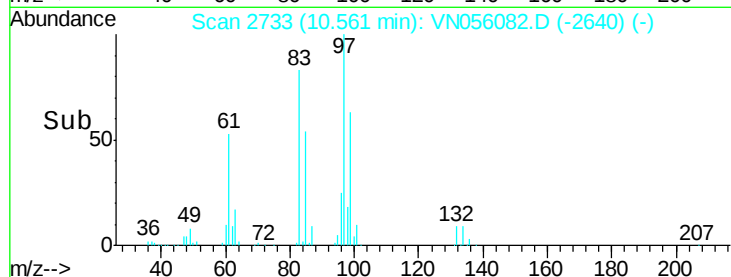
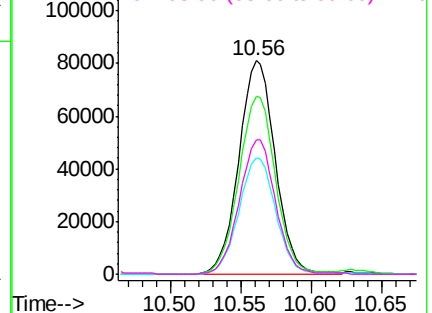
Abundance

Ion 96.90 (96.60 to 97.60): VNC

Ion 82.90 (82.60 to 83.60): VNC

Ion 84.90 (84.60 to 85.60): VNC

Ion 98.90 (98.60 to 99.60): VNC



#56

Ethyl methacrylate

Concen: 54.851 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056082.D

Acq: 7 Jun 2019 7:14

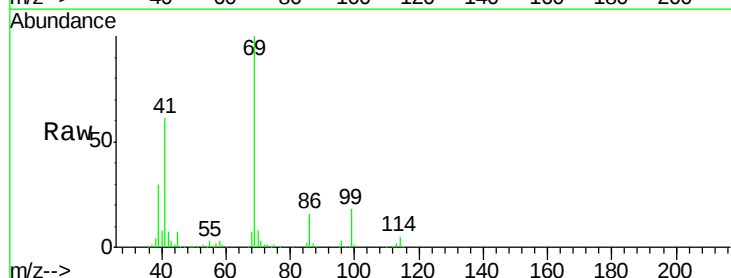
Tgt Ion: 69 Resp: 223082

Ion Ratio Lower Upper

69 100

41 60.7 49.7 74.5

39 29.2 24.7 37.1

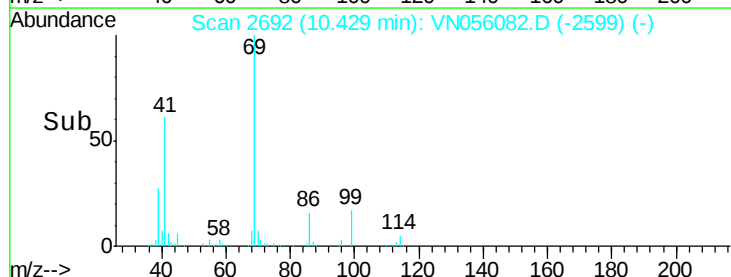
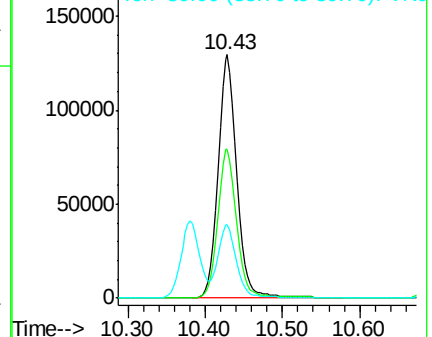


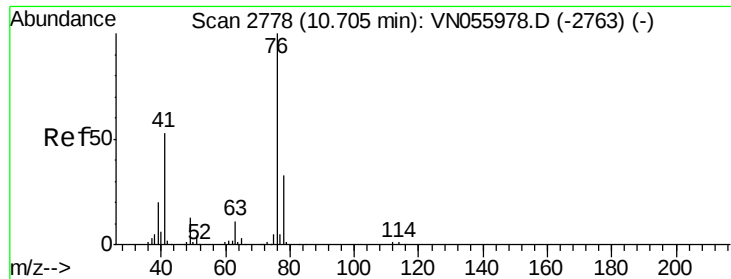
Abundance

Ion 69.00 (68.70 to 69.70): VNC

Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC





#57

1,3-Dichloropropane

Concen: 52.202 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056082.D

Acq: 7 Jun 2019 7:14

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW304S-30190604MSD

Tot Ion: 76 Resp: 236572

Ion Ratio Lower Upper

76 100

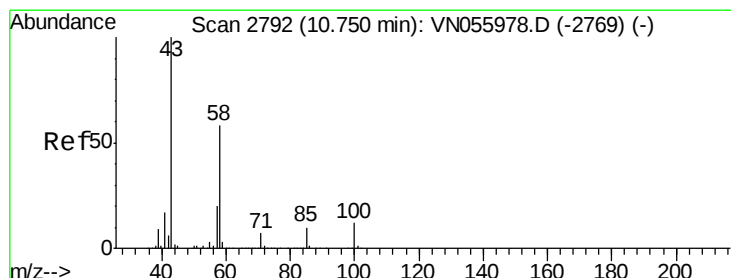
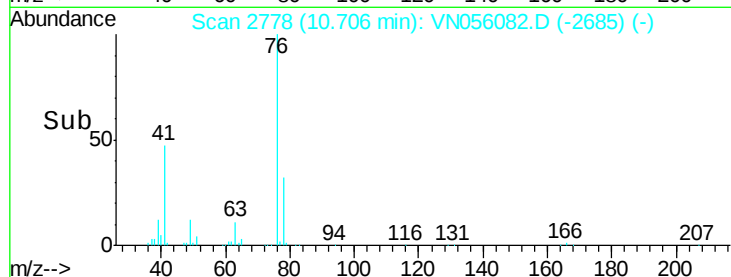
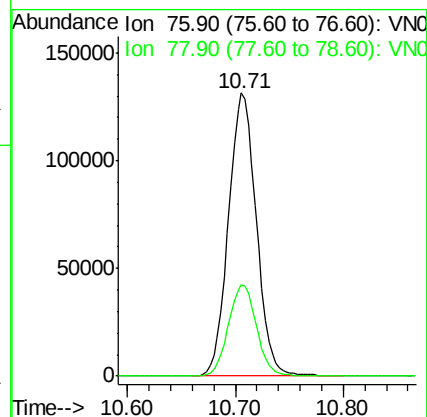
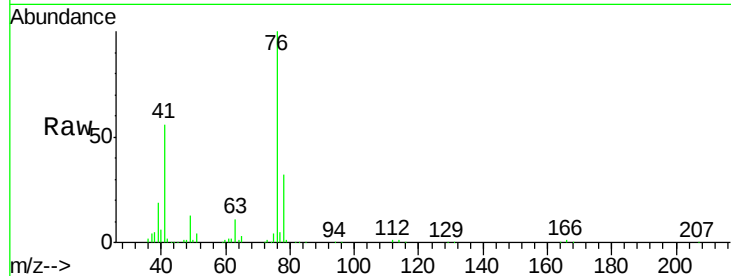
78 32.4 25.8 38.6

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#59

2-Hexanone

Concen: 269.927 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN056082.D

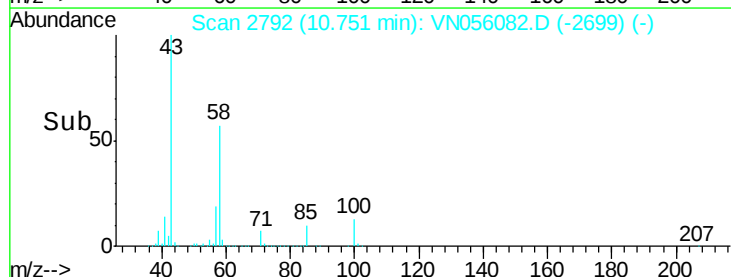
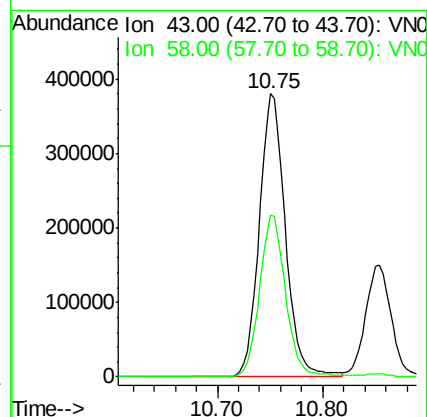
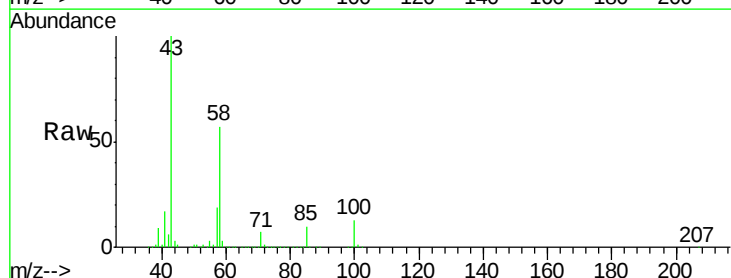
Acq: 7 Jun 2019 7:14

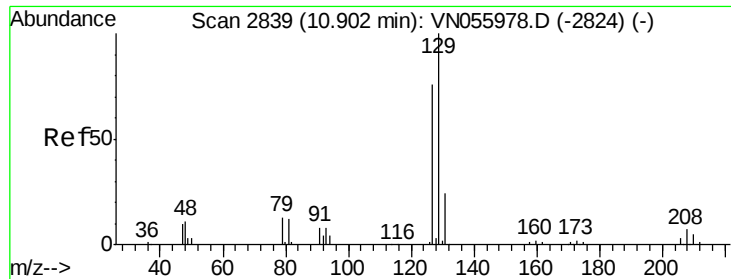
Tgt Ion: 43 Resp: 656856

Ion Ratio Lower Upper

43 100

58 57.1 28.2 84.7





#60

Dibromochloromethane

Concen: 47.169 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056082.D

Acq: 7 Jun 2019 7:14

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW304S-30190604MSD

Tot Ion:129 Resp: 144578

Ion Ratio Lower Upper

129 100

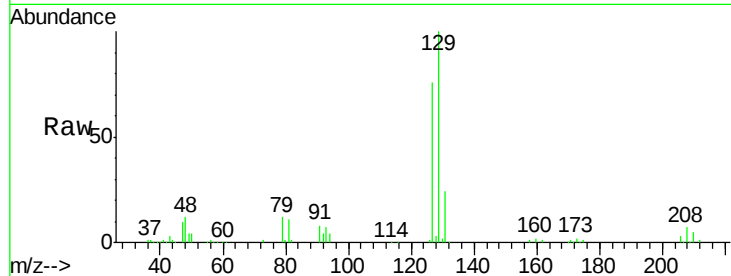
127 76.1 38.1 114.3

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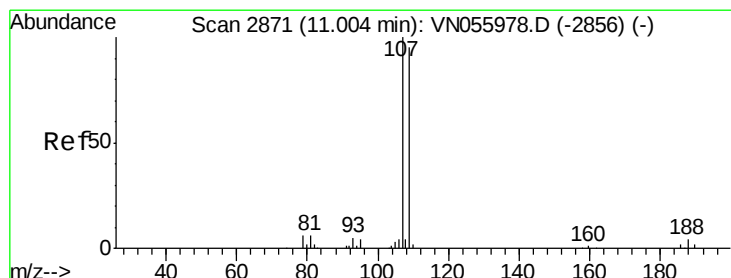
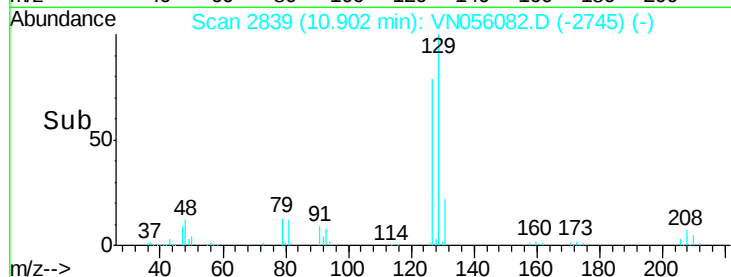
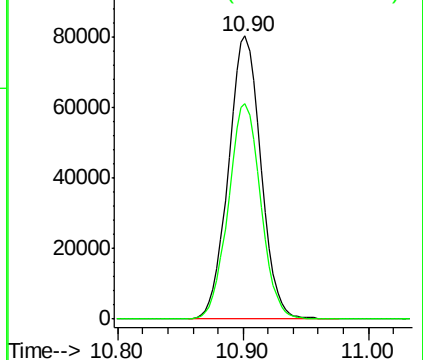
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 53.401 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056082.D

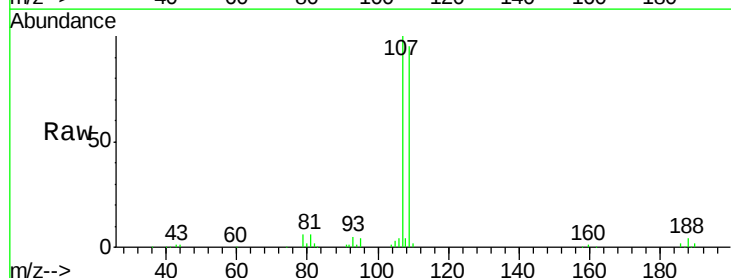
Acq: 7 Jun 2019 7:14

Tgt Ion:107 Resp: 152190

Ion Ratio Lower Upper

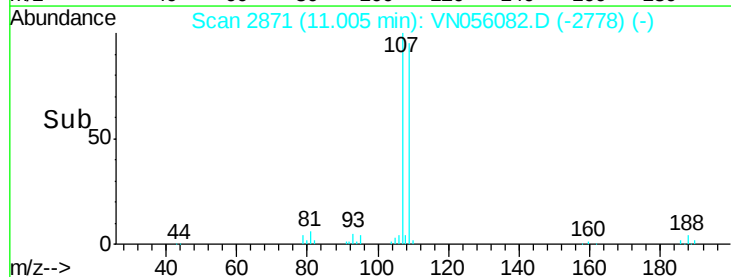
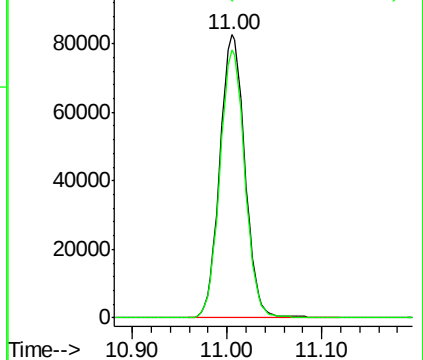
107 100

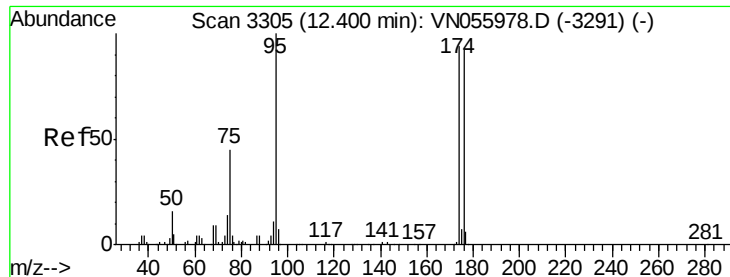
109 93.8 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 51.048 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056082.D

Acq: 7 Jun 2019 7:14

Instrument :

MSVOA_N

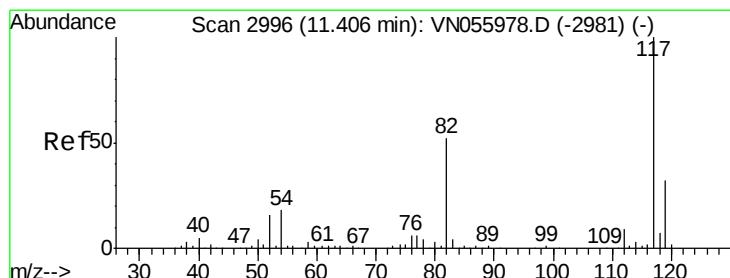
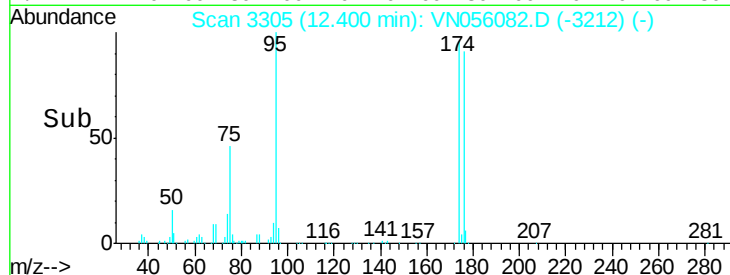
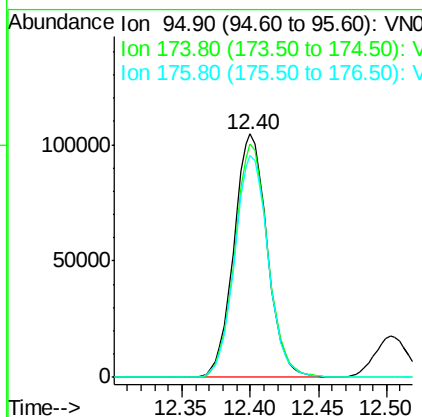
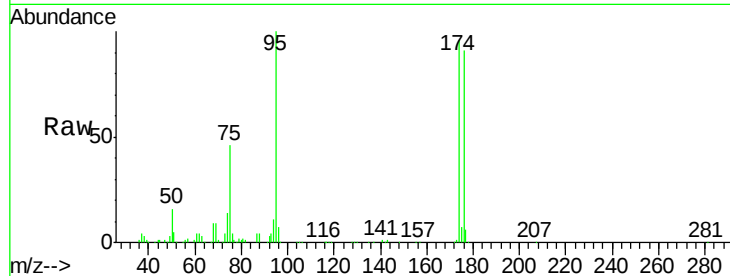
ClientSampleId :

BPS1-TT-MW304S-30190604MSD

Tot Ion:	95	Resp:	177494
Ion	Ratio	Lower	Upper
95	100		
174	95.6	0.0	191.0
176	91.9	0.0	185.2

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

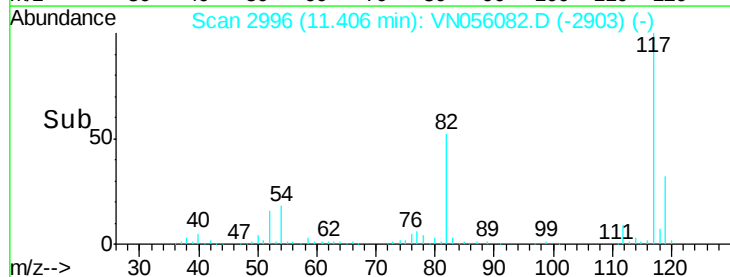
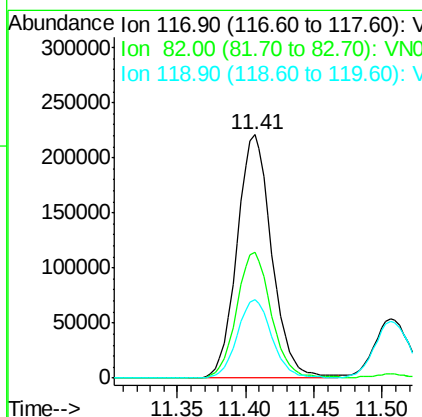
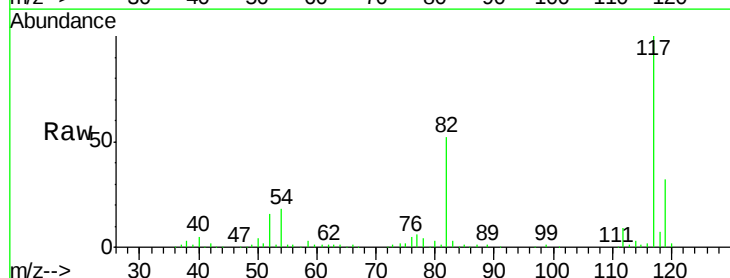
RT: 11.41 min Scan# 2996

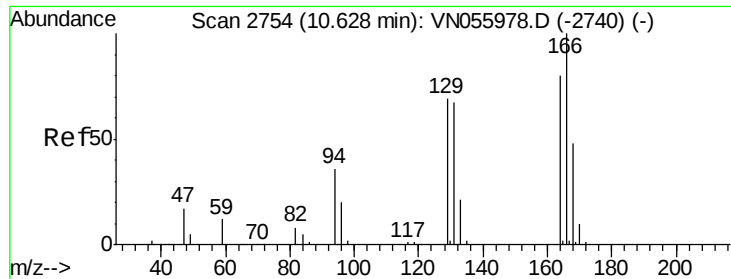
Delta R.T. 0.00 min

Lab File: VN056082.D

Acq: 7 Jun 2019 7:14

Tgt Ion:	117	Resp:	390954
Ion	Ratio	Lower	Upper
117	100		
82	51.5	41.8	62.8
119	32.3	25.4	38.0





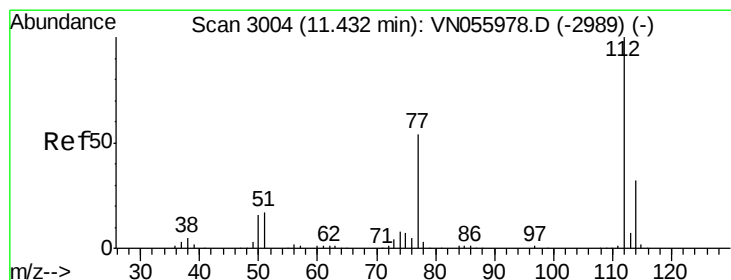
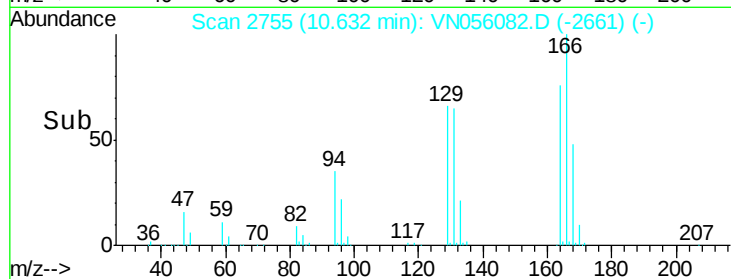
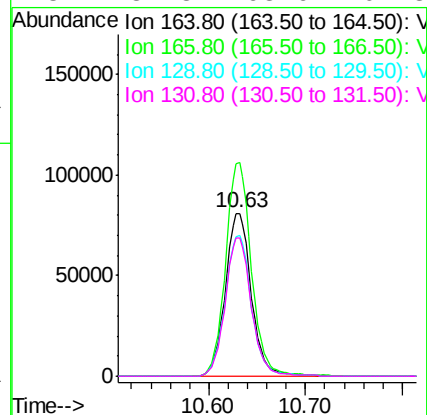
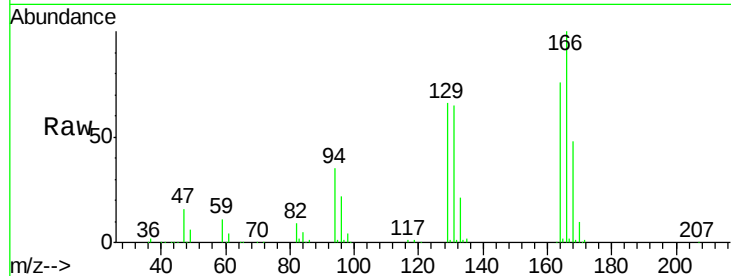
#64
Tetrachloroethene
Concen: 44.610 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056082.D
Acq: 7 Jun 2019 7:14

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW304S-30190604MSD

Tot Ion	Ratio	Lower	Upper
164	100		
166	130.9	103.0	154.6
129	86.4	70.6	105.8
131	84.8	68.6	102.8

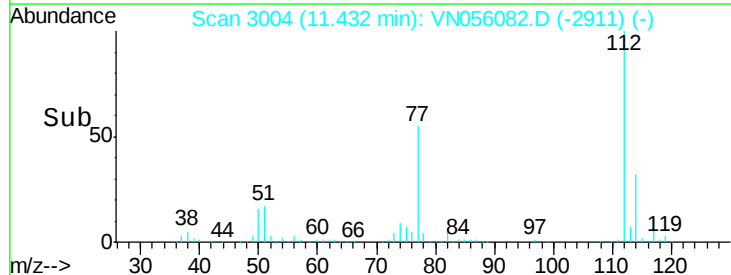
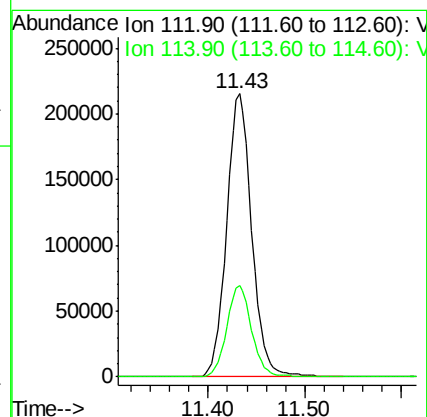
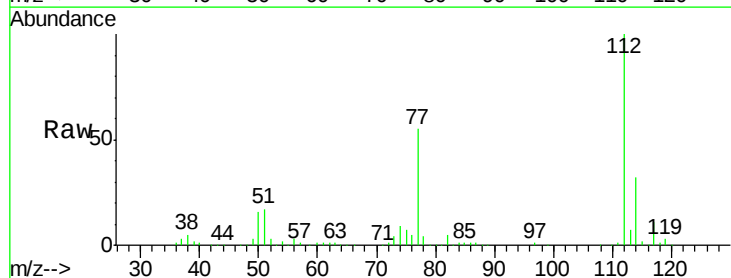
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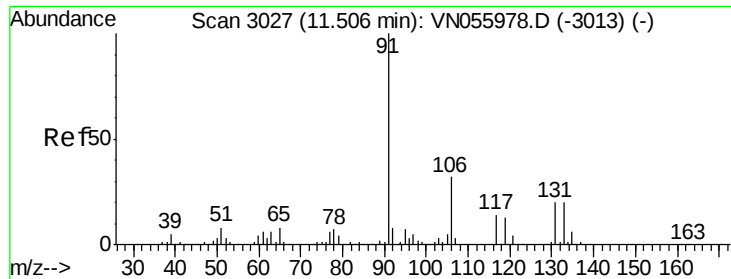
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6/7/2019 9:42:00 AM



#65
Chlorobenzene
Concen: 49.779 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056082.D
Acq: 7 Jun 2019 7:14

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	26.2	39.4





#66

1,1,1,2-Tetrachloroethane

Concen: 51.392 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN056082.D

Acq: 7 Jun 2019 7:14

Instrument :

MSVOA_N

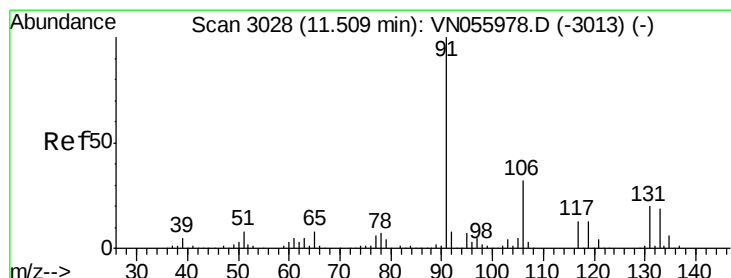
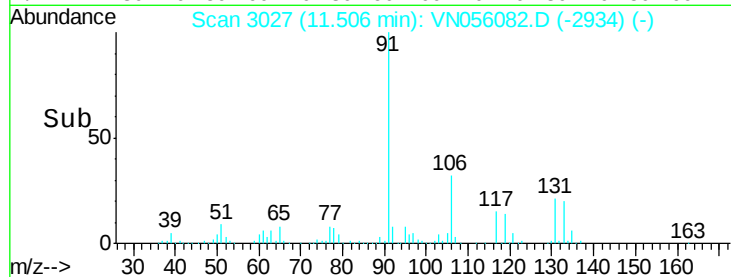
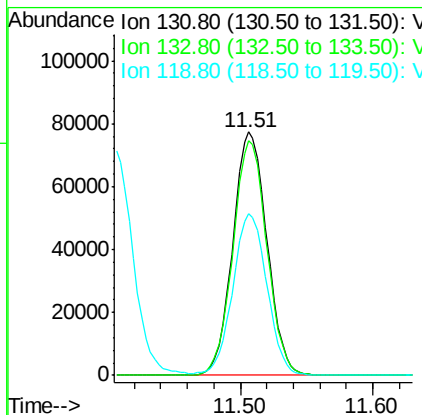
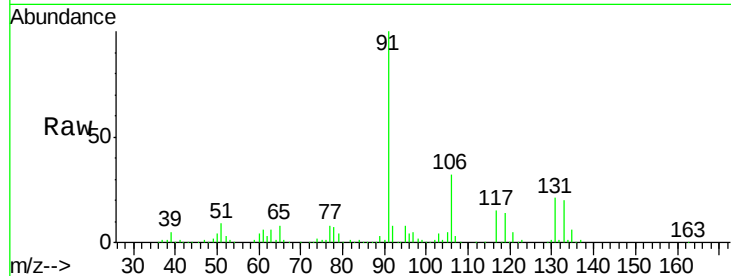
ClientSampleId :

BPS1-TT-MW304S-30190604MSD

Tot Ion	Ratio	Resp	Lower	Upper
131	100	138071		
133	95.9	48.0	144.0	
119	66.8	33.1	99.5	

Manual Integrations
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6/7/2019 9:42:00 AM



#67

Ethyl Benzene

Concen: 48.961 ug/l

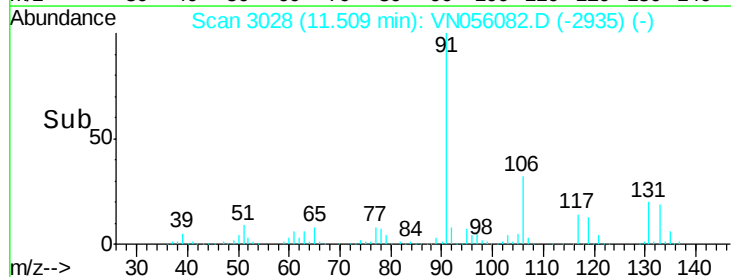
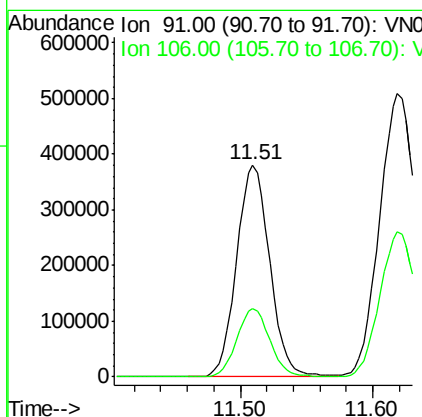
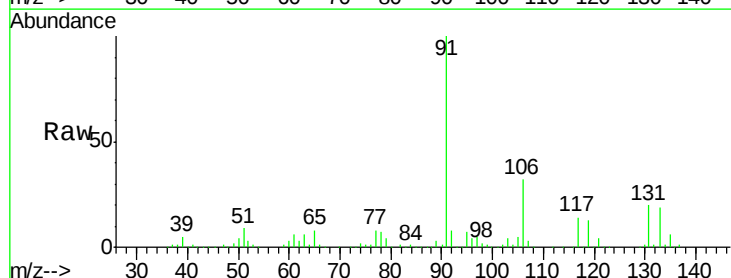
RT: 11.51 min Scan# 3028

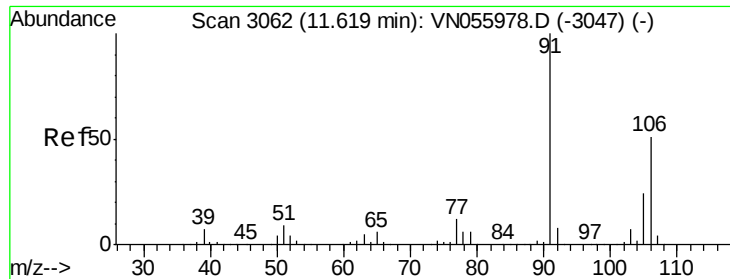
Delta R.T. 0.00 min

Lab File: VN056082.D

Acq: 7 Jun 2019 7:14

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	662412		
106	32.4	25.1	37.7	





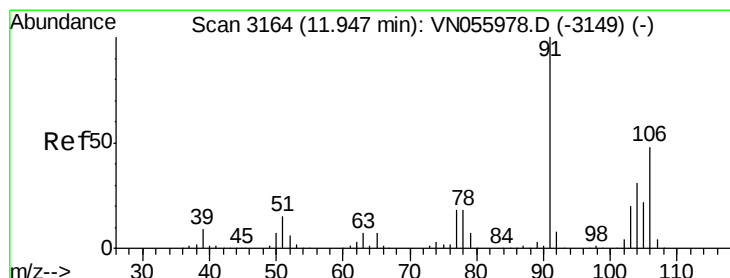
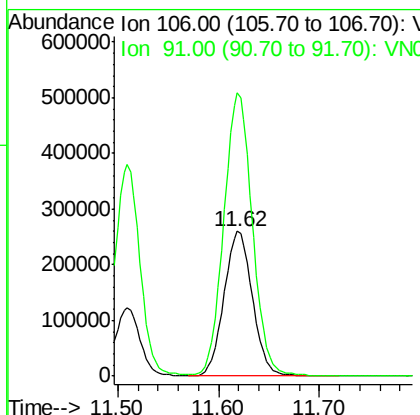
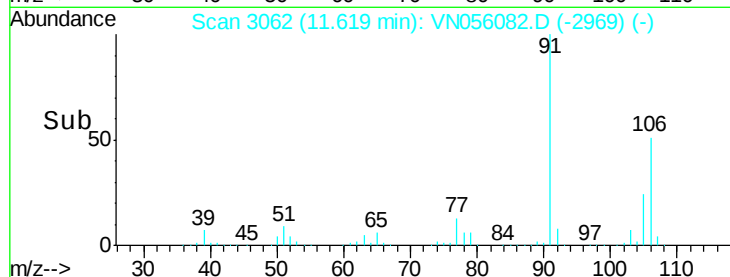
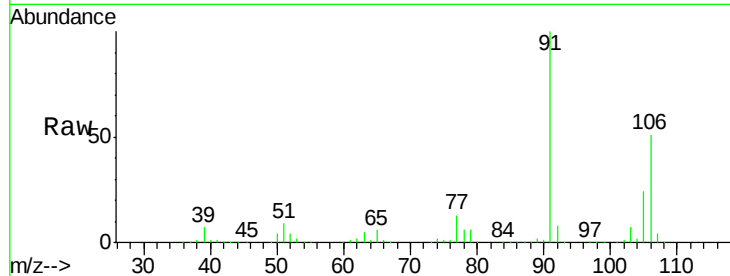
#68
m/p-Xylenes
Concen: 99.182 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056082.D
Acq: 7 Jun 2019 7:14

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW304S-30190604MSD

Tot Ion:106 Resp: 512612
Ion Ratio Lower Upper
106 100
91 196.1 159.3 238.9

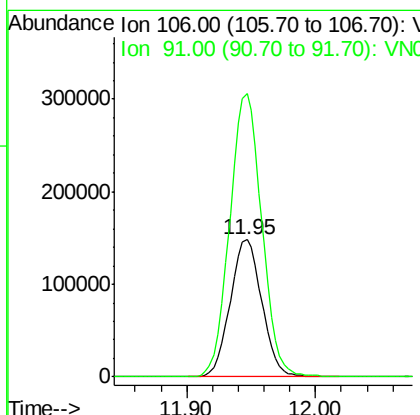
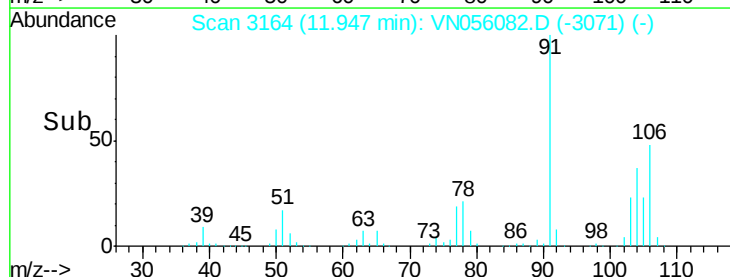
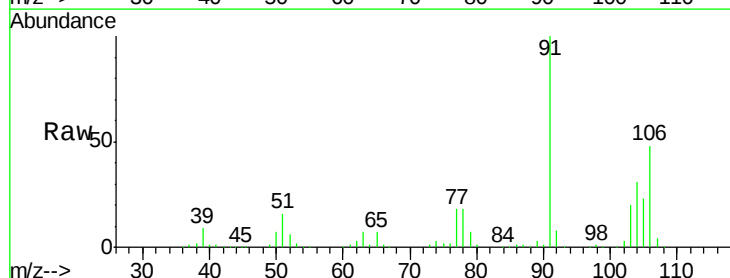
Manual Integrations
APPROVED

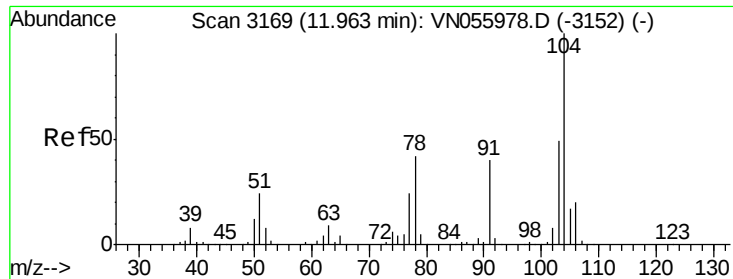
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6/7/2019 9:42:00 AM



#69
o-Xylene
Concen: 49.724 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056082.D
Acq: 7 Jun 2019 7:14

Tgt Ion:106 Resp: 252794
Ion Ratio Lower Upper
106 100
91 208.6 104.7 314.1





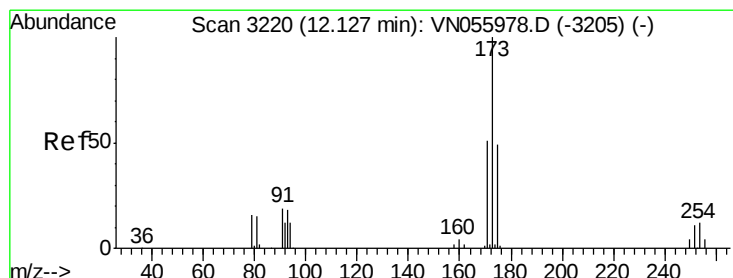
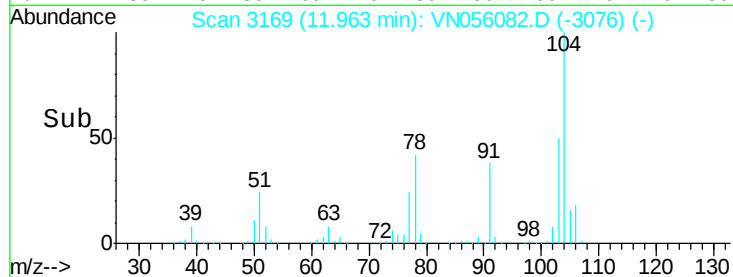
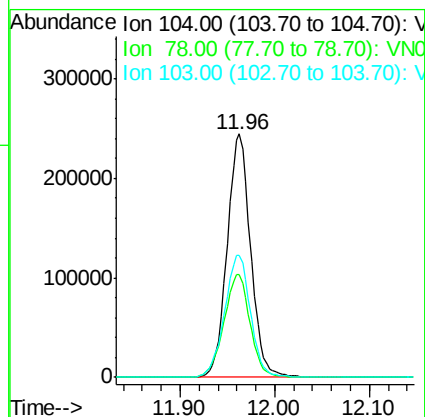
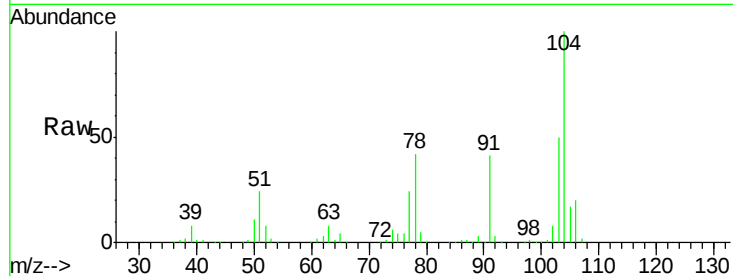
#70
Stvrene
Concen: 52.214 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056082.D
Acq: 7 Jun 2019 7:14

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW304S-30190604MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.1	37.8	56.6
103	55.4	44.2	66.2

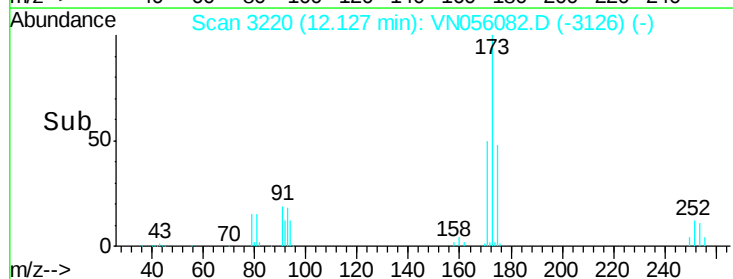
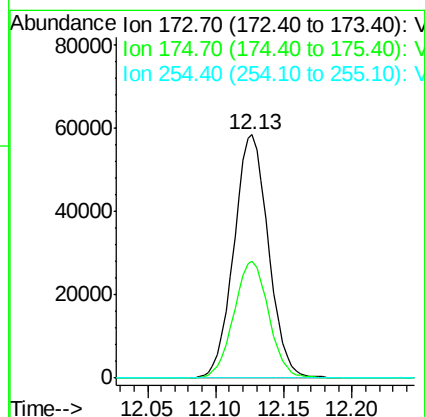
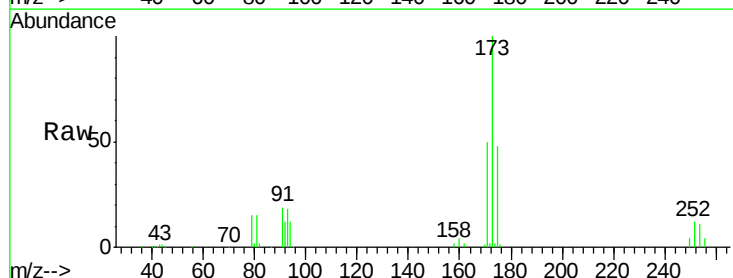
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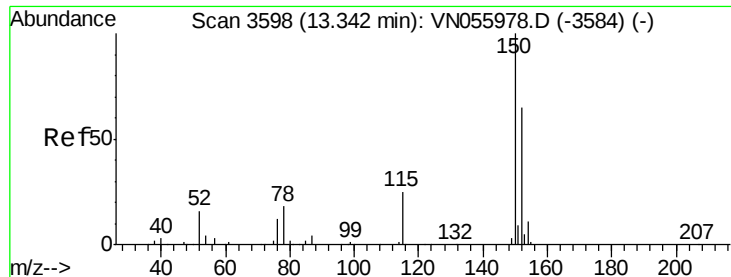
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6/7/2019 9:42:00 AM



#71
Bromoform
Concen: 45.656 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056082.D
Acq: 7 Jun 2019 7:14

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.3	72.8
254	0.0	0.0	0.0





#72

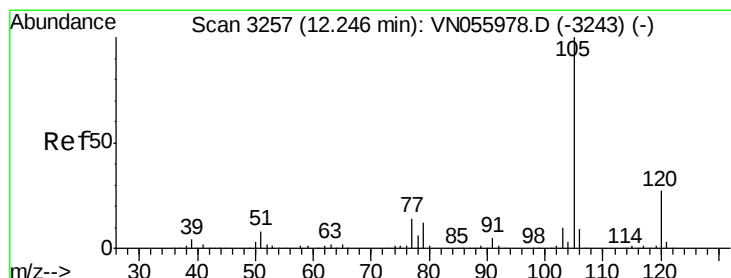
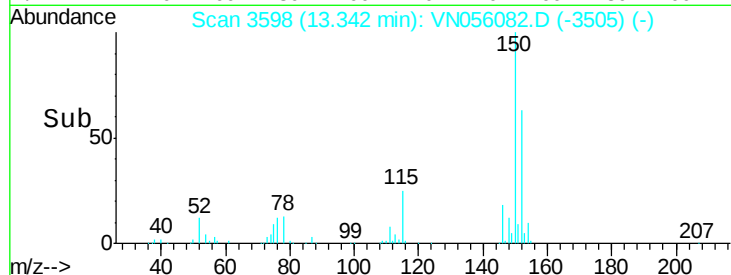
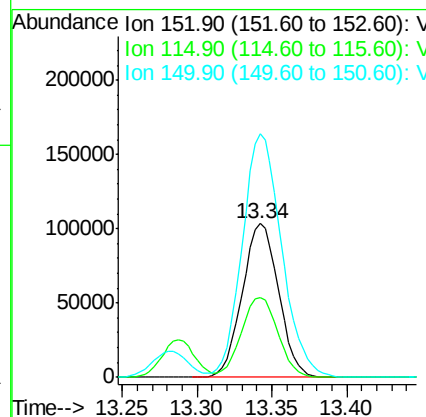
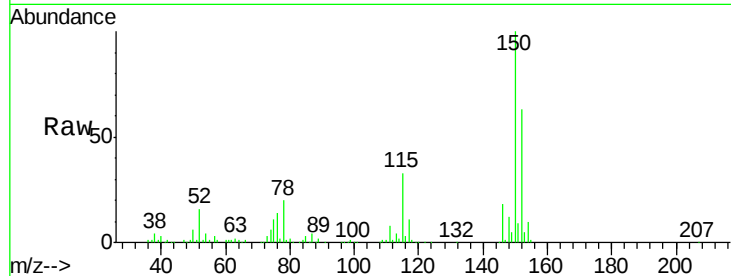
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056082.D
Acq: 7 Jun 2019 7:14

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW304S-30190604MSD

Tot Ion	Ratio	Lower	Upper
152	100		
115	52.5	27.0	81.0
150	172.0	0.0	343.2

Manual Integrations
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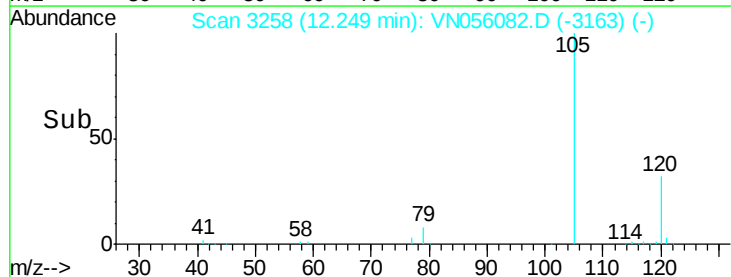
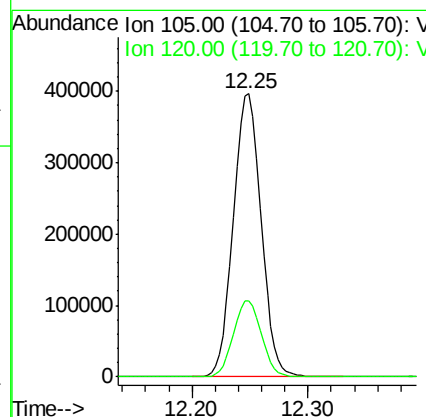
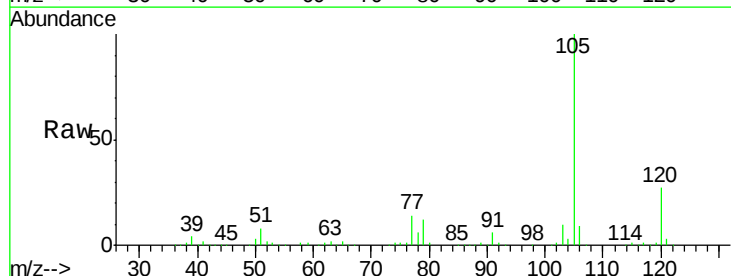
MMDadoda
6/7/2019 9:42:00 AM

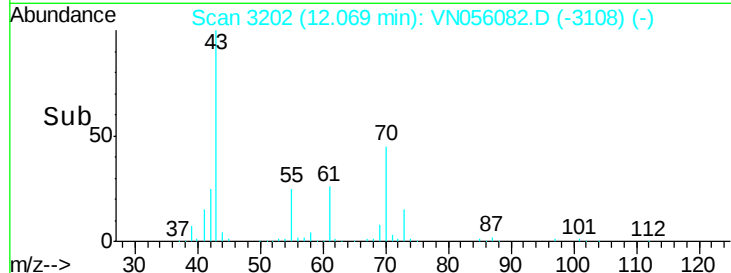
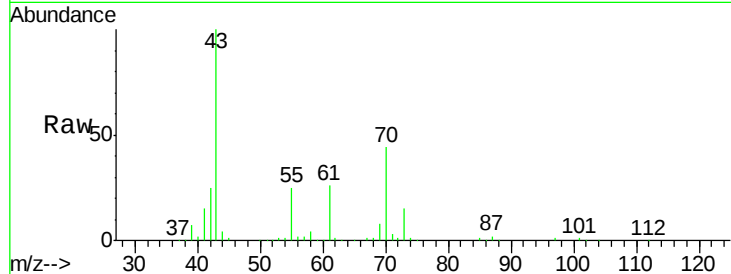
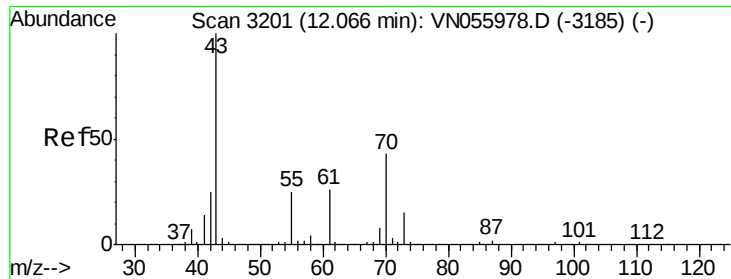


#73

Isopropylbenzene
Concen: 52.764 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056082.D
Acq: 7 Jun 2019 7:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.6	40.7





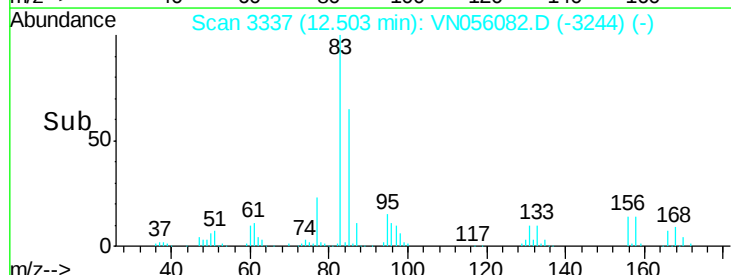
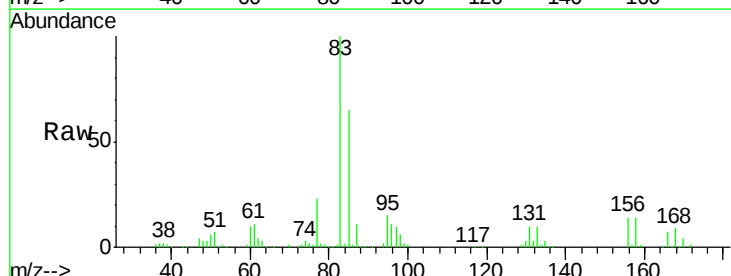
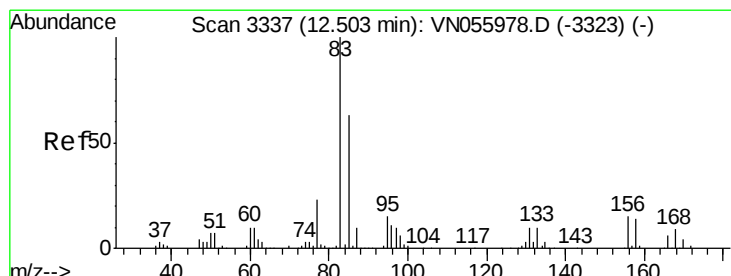
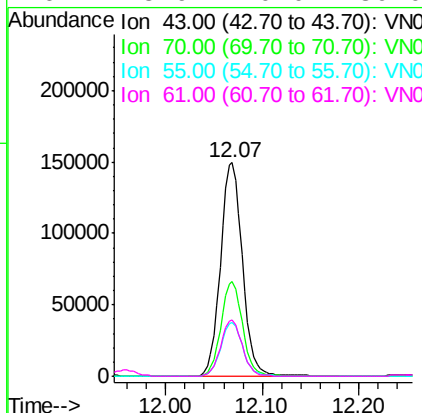
#74
N-amvl acetate
Concen: 50.617 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN056082.D
Acq: 7 Jun 2019 7:14

Tot Ion	Ratio	Lower	Upper
43	100		
70	43.7	34.0	51.0
55	25.1	18.6	28.0
61	25.9	20.0	30.0

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW304S-30190604MSD

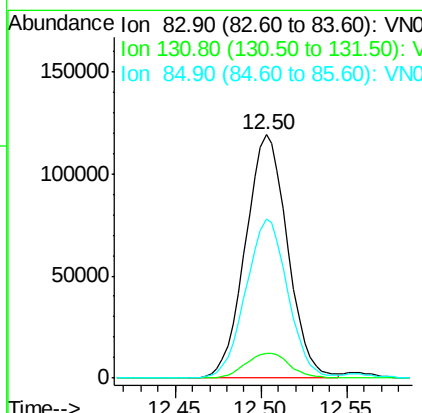
Manual Integrations
APPROVED

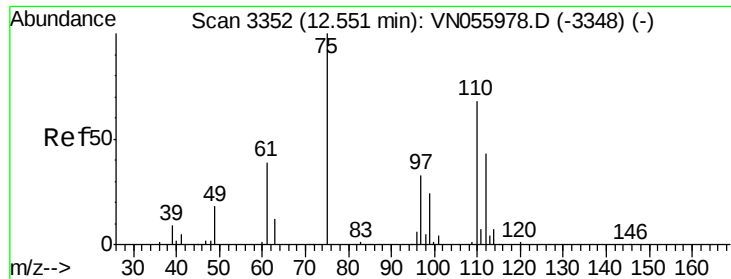
MMDadoda
6/7/2019 9:42:00 AM



#75
1,1,2,2-Tetrachloroethane
Concen: 49.925 ug/l
RT: 12.50 min Scan# 3337
Delta R.T. 0.00 min
Lab File: VN056082.D
Acq: 7 Jun 2019 7:14

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.4	16.2
85	65.1	32.4	97.0





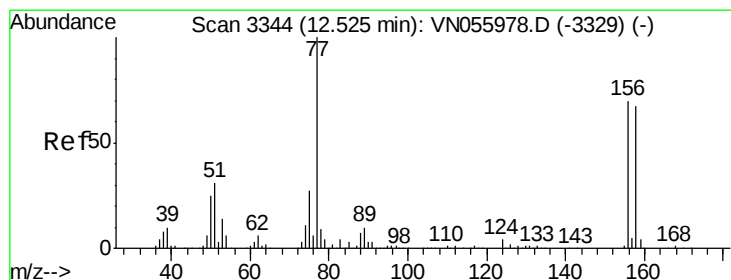
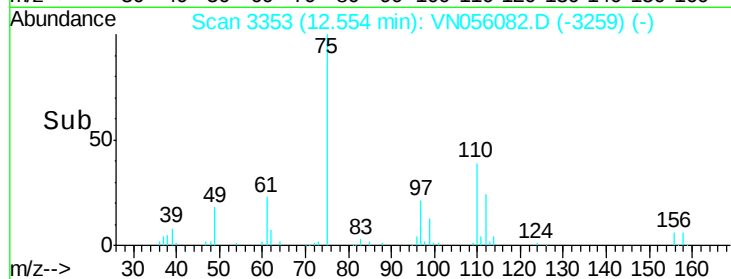
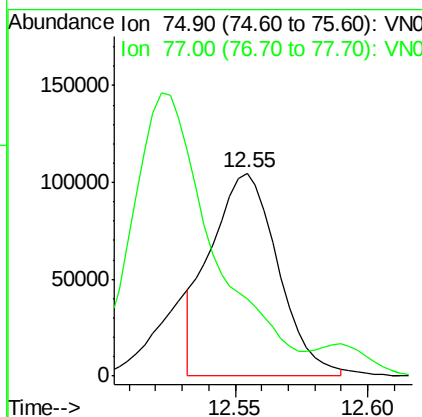
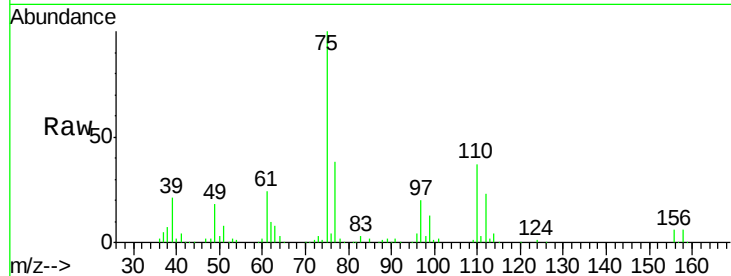
#76
1,2,3-Trichloropropane
Concen: 57.495 ug/l m
RT: 12.55 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VN056082.D
Acq: 7 Jun 2019 7:14

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW304S-30190604MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

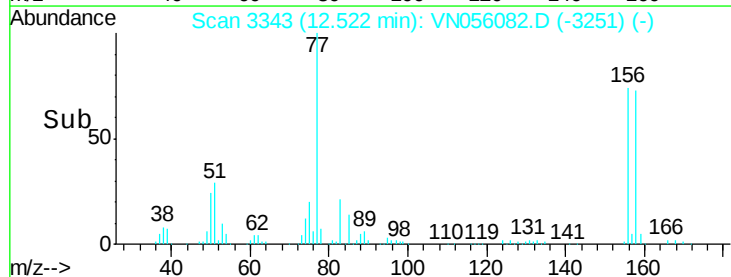
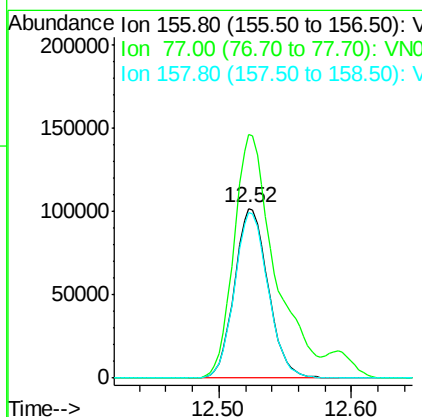
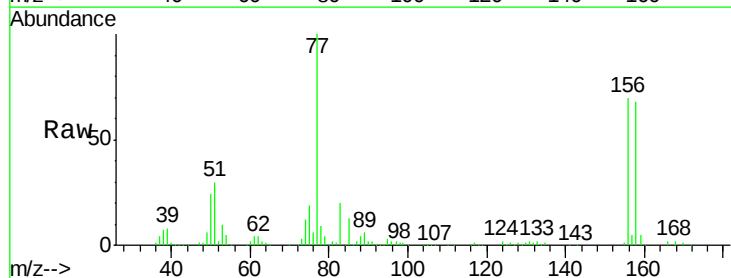
Manual Integrations
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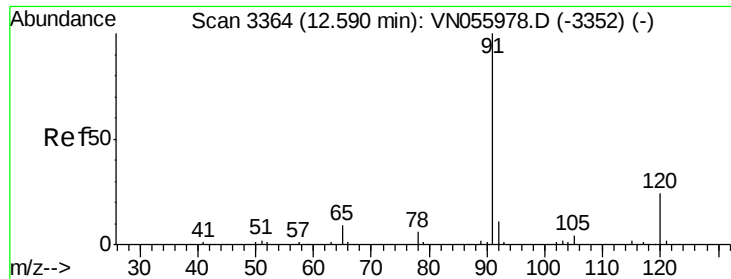
MMDadoda
6/7/2019 9:42:00 AM



#77
Bromobenzene
Concen: 48.063 ug/l
RT: 12.52 min Scan# 3343
Delta R.T. -0.00 min
Lab File: VN056082.D
Acq: 7 Jun 2019 7:14

Tgt Ion	Ratio	Lower	Upper
156	100		
77	174.8	90.8	272.5
158	97.6	49.3	147.8





#78

n-propylbenzene

Concen: 47.257 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056082.D

Acq: 7 Jun 2019 7:14

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW304S-30190604MSD

Tot Ion: 91 Resp: 698191

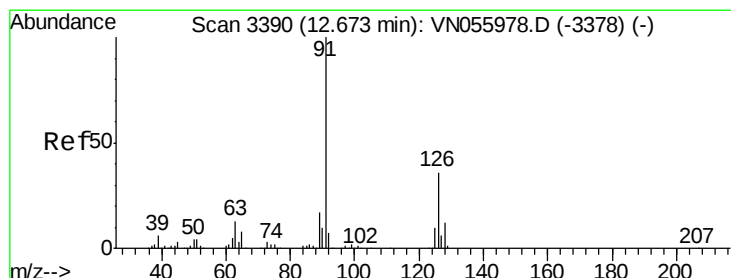
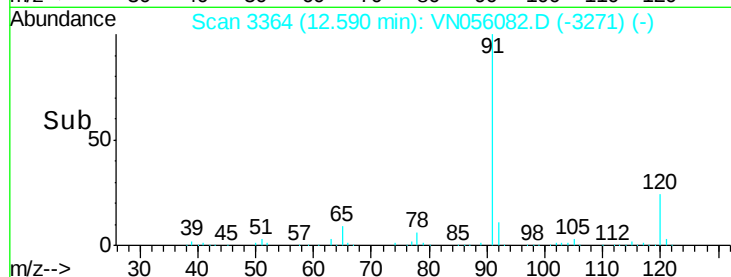
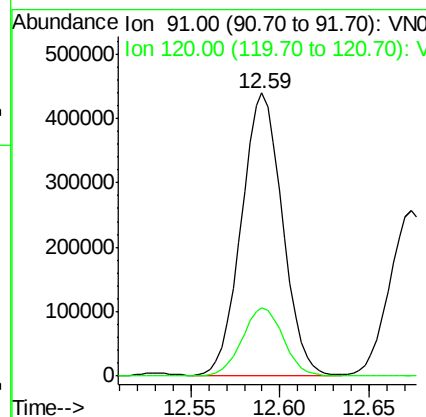
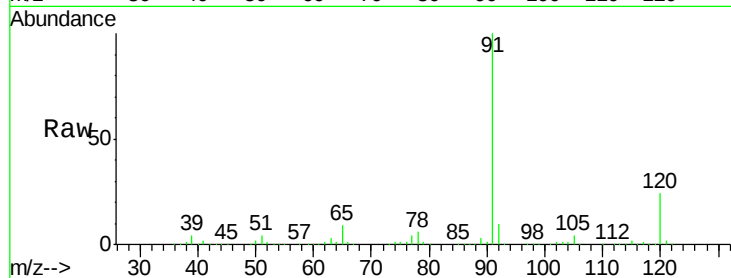
Ion Ratio Lower Upper

91 100

120 24.4 12.0 36.0

Manual Integrations
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6/7/2019 9:42:00 AM



#79

2-Chlorotoluene

Concen: 52.604 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056082.D

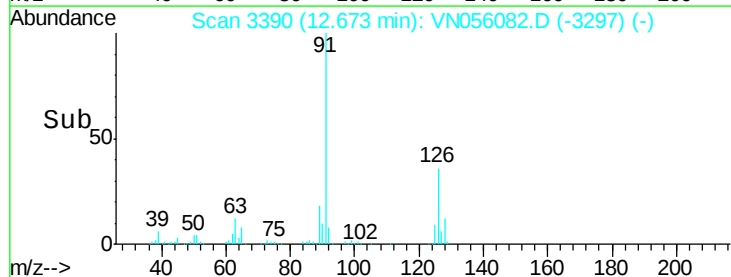
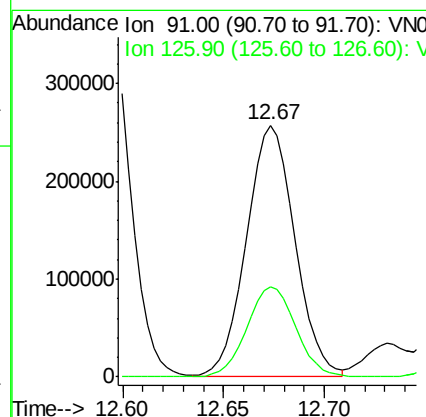
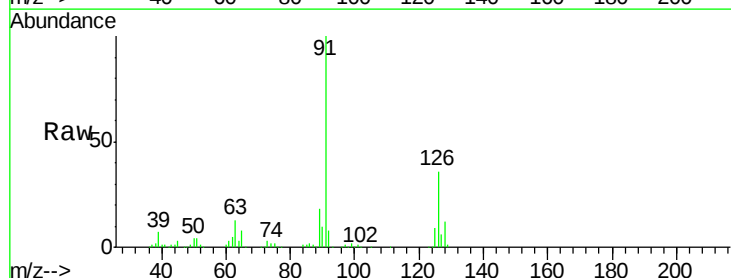
Acq: 7 Jun 2019 7:14

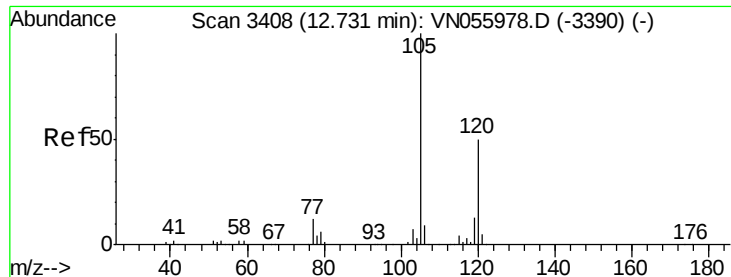
Tgt Ion: 91 Resp: 430090

Ion Ratio Lower Upper

91 100

126 36.4 18.1 54.4





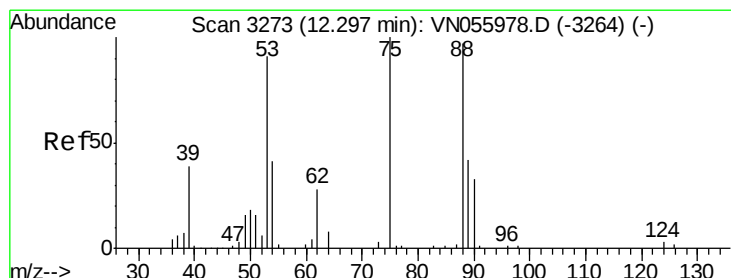
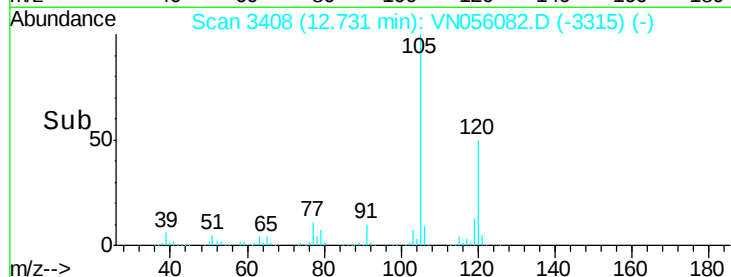
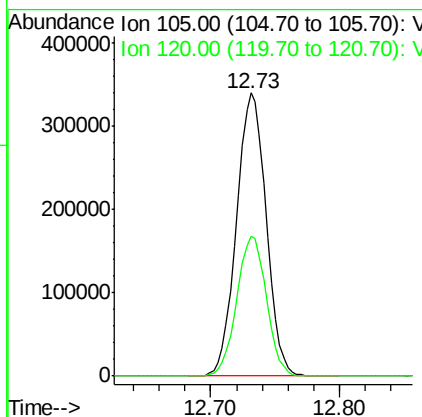
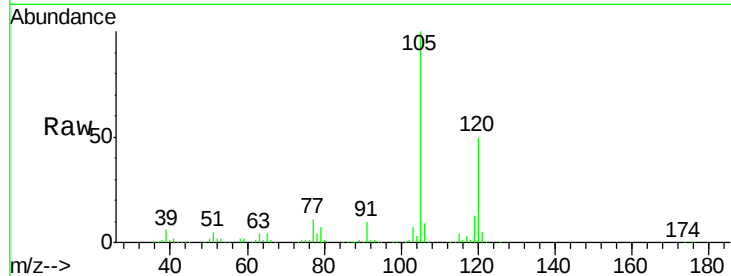
#80
 1,3,5-Trimethylbenzene
 Concen: 46.141 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN056082.D
 Acq: 7 Jun 2019 7:14

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW304S-30190604MSD

Tot Ion:105 Resp: 541792
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.7 74.1

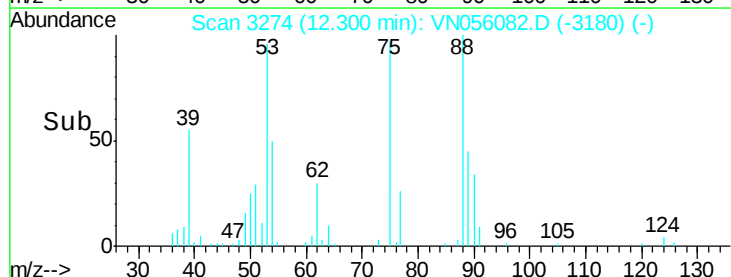
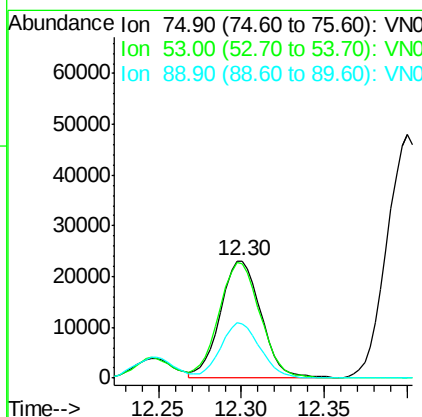
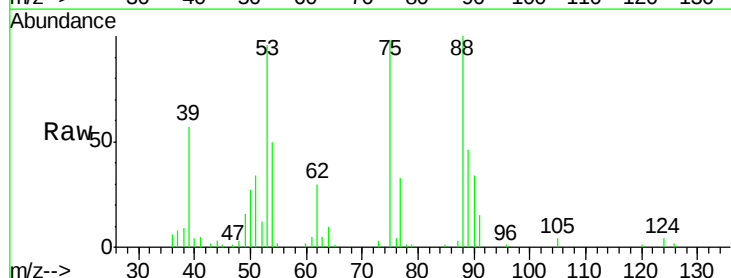
Manual Integrations
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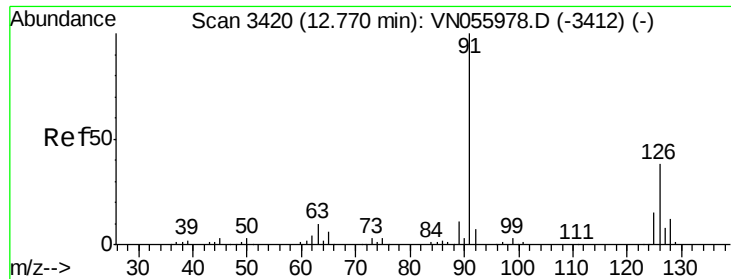
MMDadoda
 6/7/2019 9:42:00 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 41.029 ug/l
 RT: 12.30 min Scan# 3274
 Delta R.T. 0.00 min
 Lab File: VN056082.D
 Acq: 7 Jun 2019 7:14

Tgt Ion: 75 Resp: 39591
 Ion Ratio Lower Upper
 75 100
 53 100.3 68.1 102.1
 89 45.5 36.9 55.3





#82

4-Chlorotoluene

Concen: 48.176 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056082.D

Acq: 7 Jun 2019 7:14

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW304S-30190604MSD

Tot Ion: 91 Resp: 416418

Ion Ratio Lower Upper

91 100

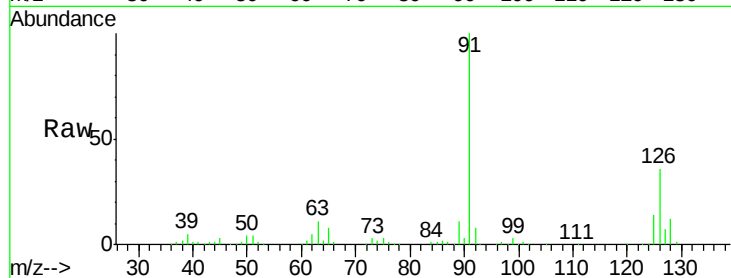
126 35.7 17.8 53.3

Manual Integrations

APPROVED

MMDadoda

6/7/2019 9:42:00 AM



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

Ion 125.90 (125.60 to 126.60): VN055978.D (-3412) (-)

12.77

250000

200000

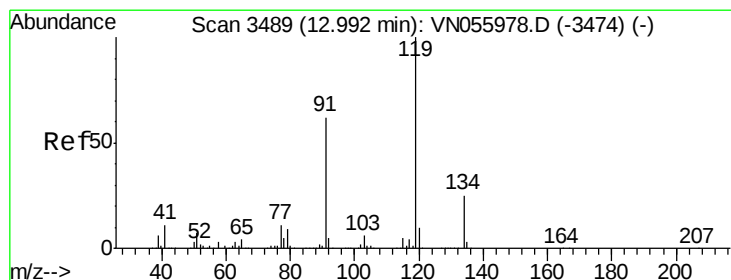
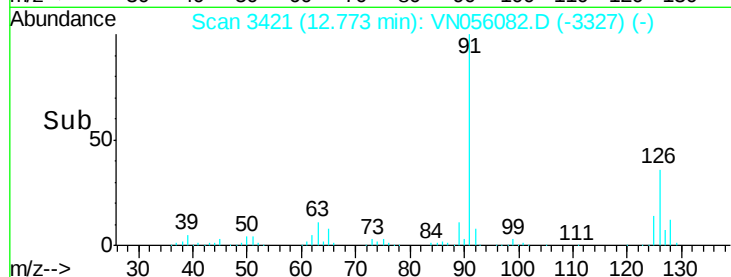
150000

100000

50000

0

Time--> 12.70 12.75 12.80 12.85



#83

tert-Butylbenzene

Concen: 52.686 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056082.D

Acq: 7 Jun 2019 7:14

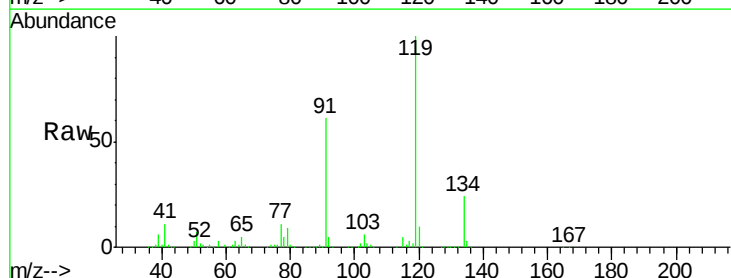
Tgt Ion: 119 Resp: 478665

Ion Ratio Lower Upper

119 100

91 60.3 30.9 92.8

134 26.5 13.3 39.8



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

Ion 91.00 (90.70 to 91.70): VN055978.D (-3474) (-)

Ion 134.00 (133.70 to 134.70): VN055978.D (-3474) (-)

12.99

400000

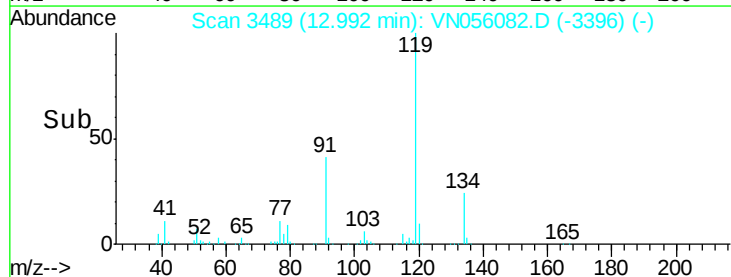
300000

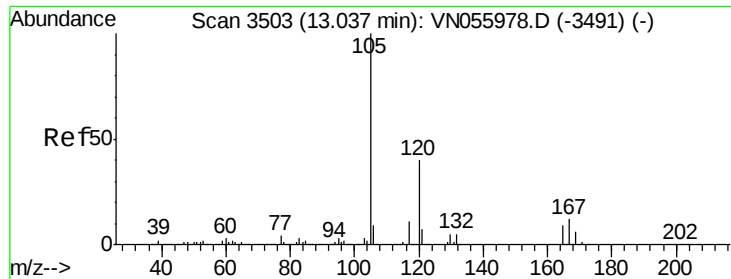
200000

100000

0

Time--> 12.95 13.00





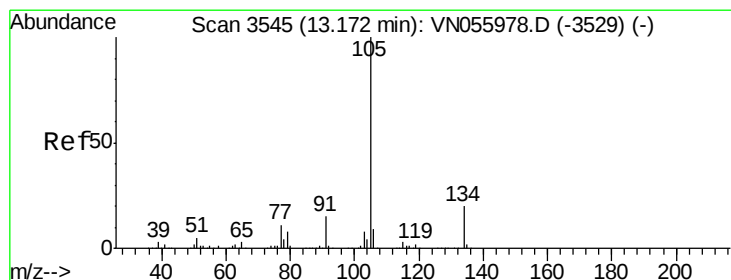
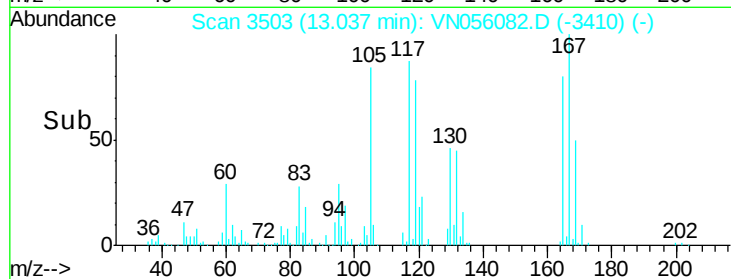
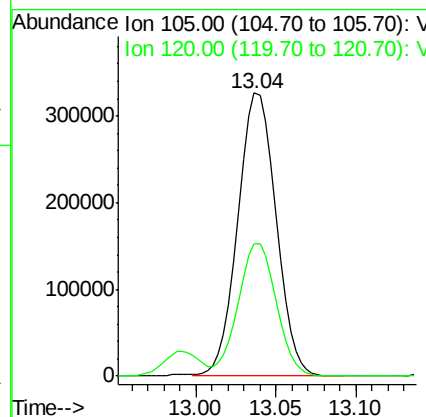
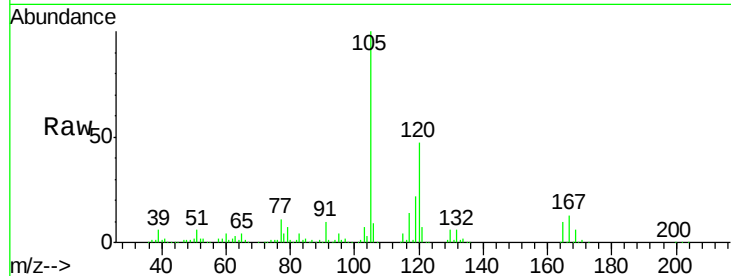
#84
 1,2,4-Trimethylbenzene
 Concen: 47.683 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN056082.D
 Acq: 7 Jun 2019 7:14

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW304S-30190604MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.0	69.0

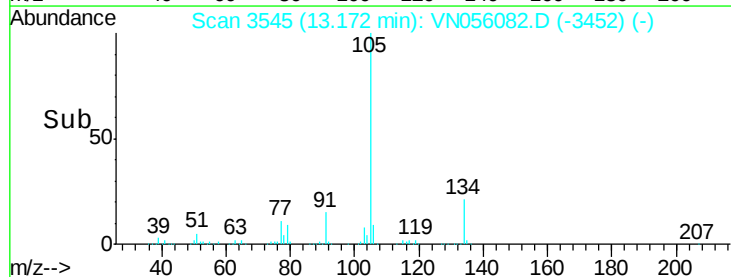
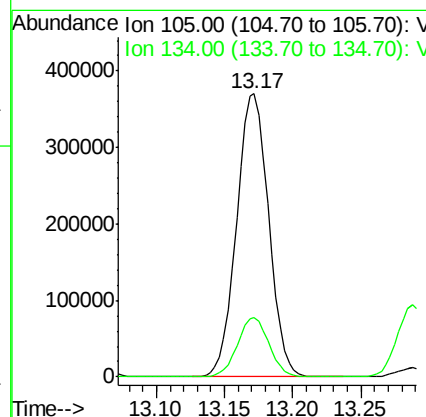
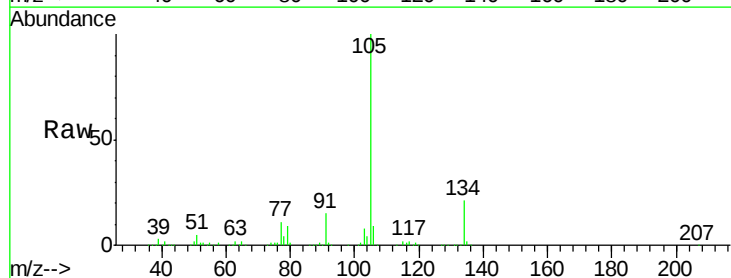
Manual Integrations
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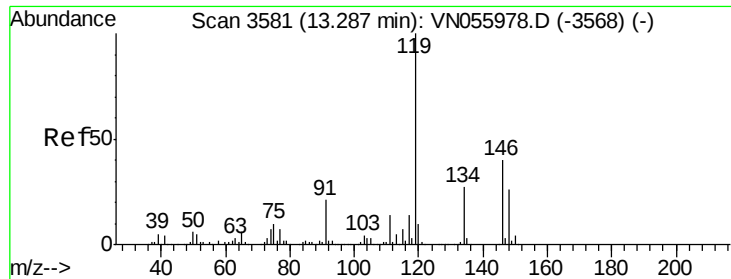
MMDadoda
 6/7/2019 9:42:00 AM



#85
 sec-Butylbenzene
 Concen: 46.127 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056082.D
 Acq: 7 Jun 2019 7:14

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.4	31.2





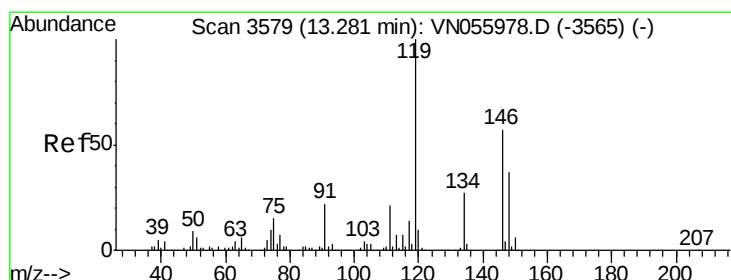
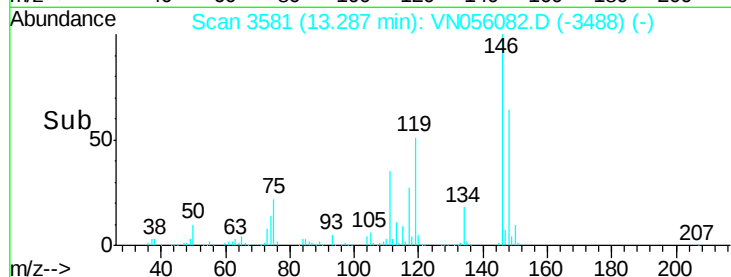
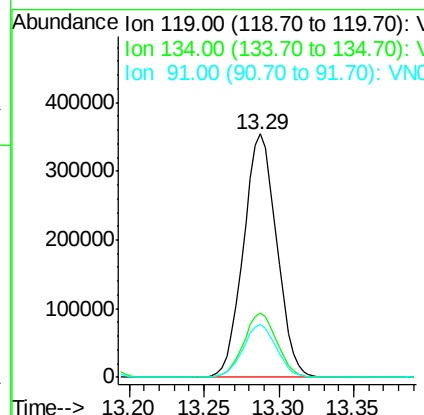
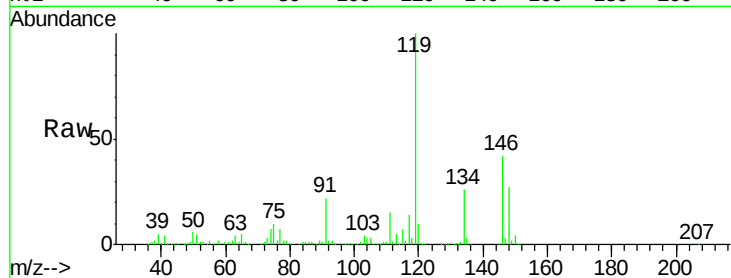
#86
 p-Isopropyltoluene
 Concen: 46.704 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056082.D
 Acq: 7 Jun 2019 7:14

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW304S-30190604MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	546891		
134	26.6		13.4	40.1
91	21.8		10.9	32.9

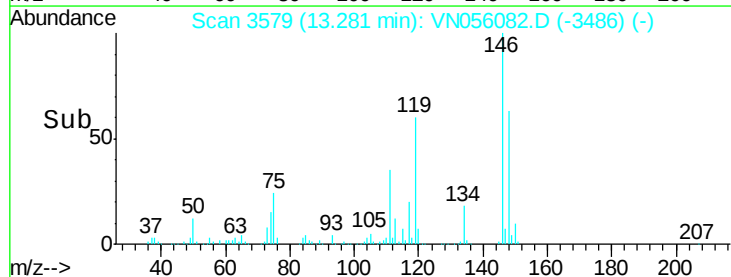
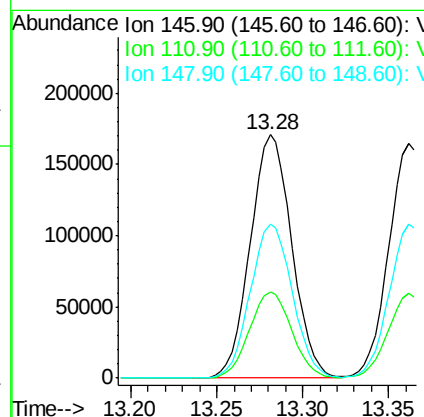
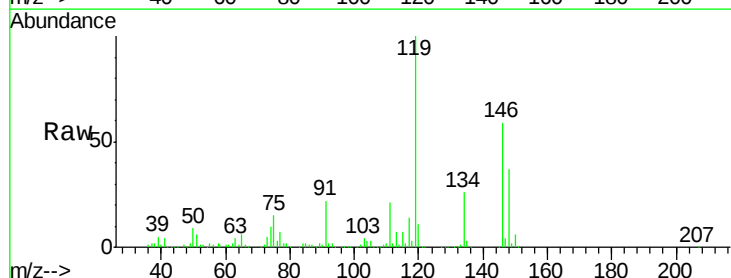
Manual Integrations
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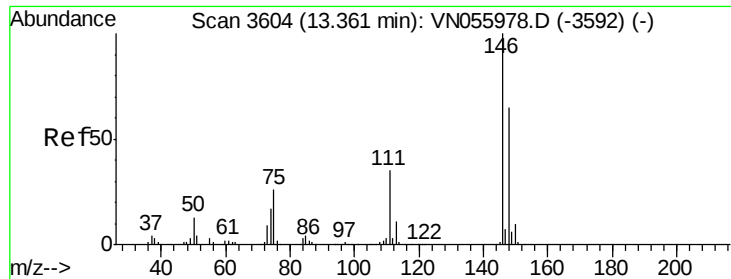
MMDadoda
 6/7/2019 9:42:00 AM



#87
 1,3-Dichlorobenzene
 Concen: 49.501 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056082.D
 Acq: 7 Jun 2019 7:14

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	286454		
111	36.0		18.5	55.5
148	64.2		32.0	96.2





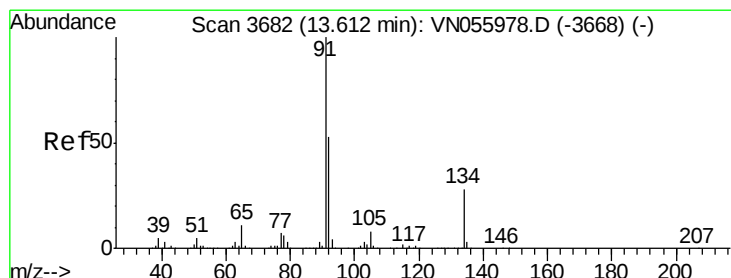
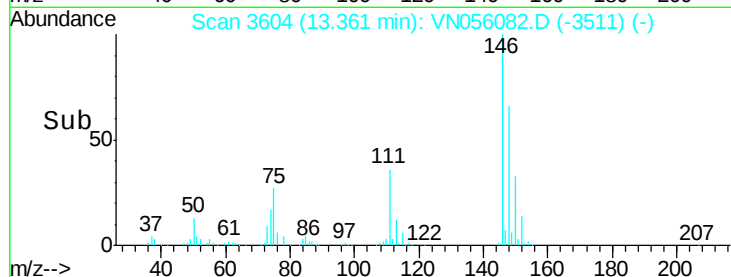
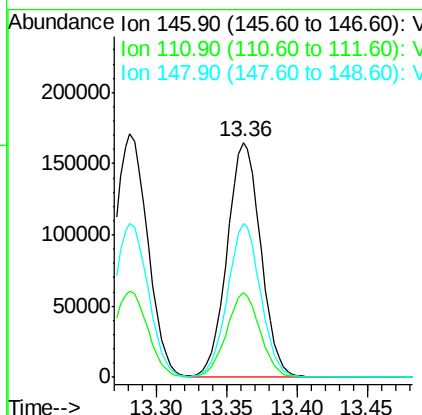
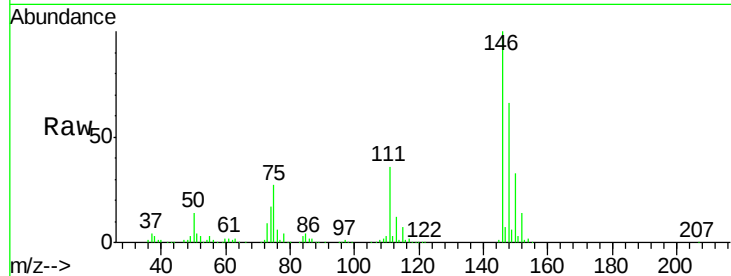
#88
 1,4-Dichlorobenzene
 Concen: 49.363 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056082.D
 Acq: 7 Jun 2019 7:14

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW304S-30190604MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.1	54.4
148	64.6	32.1	96.5

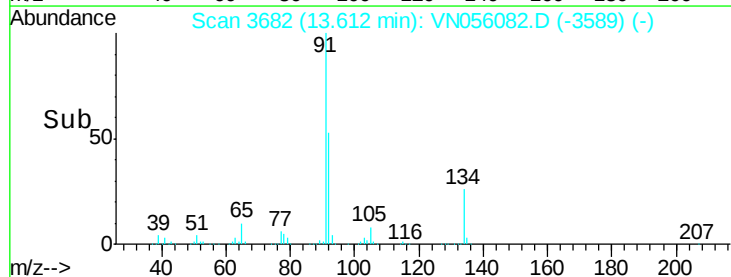
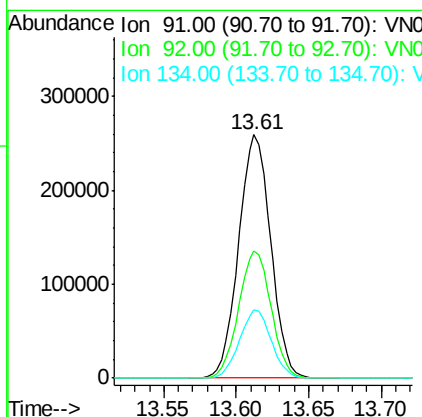
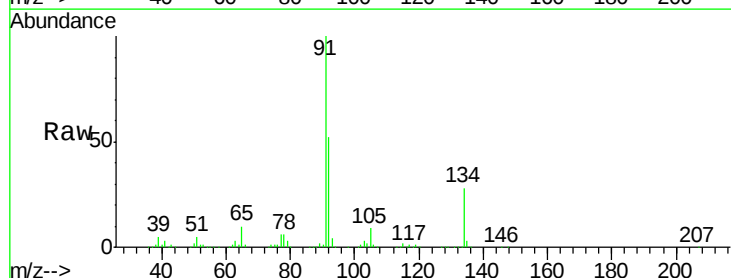
Manual Integrations
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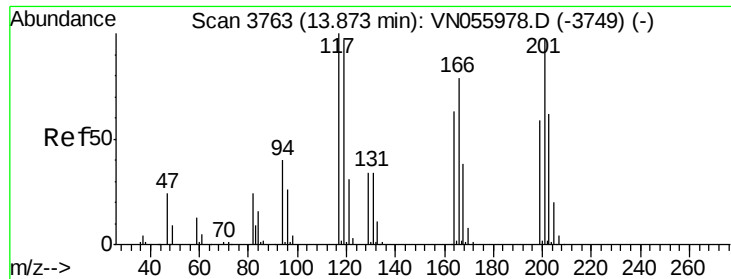
MMDadoda
 6/7/2019 9:42:00 AM



#89
 n-Butylbenzene
 Concen: 46.072 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. 0.00 min
 Lab File: VN056082.D
 Acq: 7 Jun 2019 7:14

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.4	79.0
134	27.7	13.9	41.7





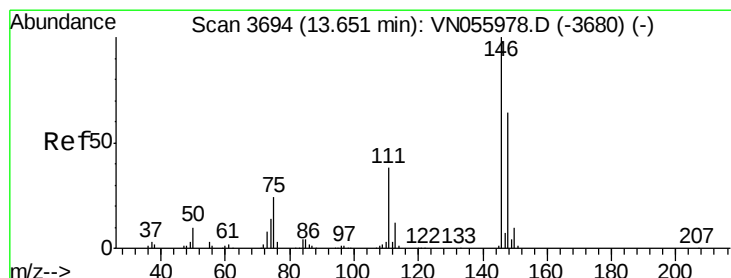
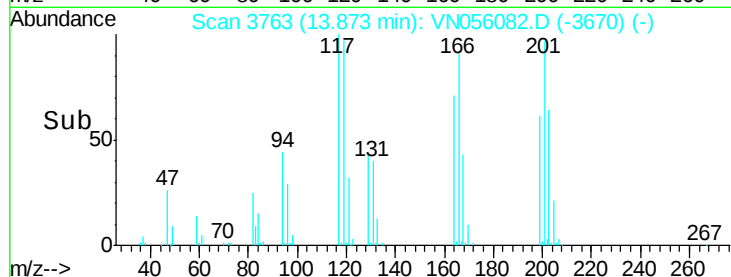
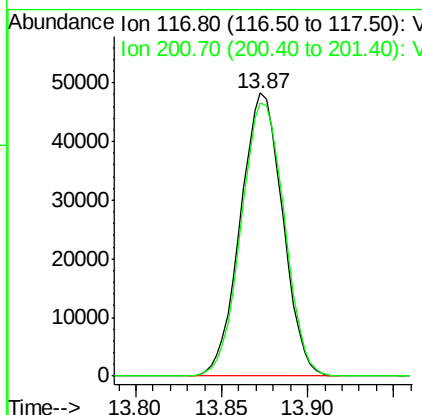
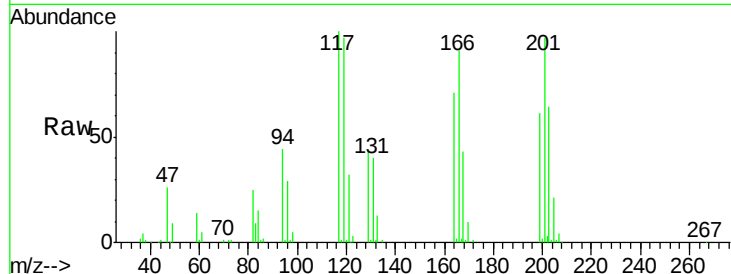
#90
Hexachloroethane
Concen: 46.715 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056082.D
Acq: 7 Jun 2019 7:14

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW304S-30190604MSD

Tot Ion:117 Resp: 82495
Ion Ratio Lower Upper
117 100
201 98.4 50.0 150.0

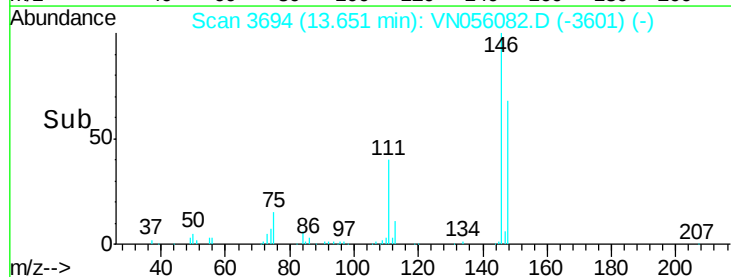
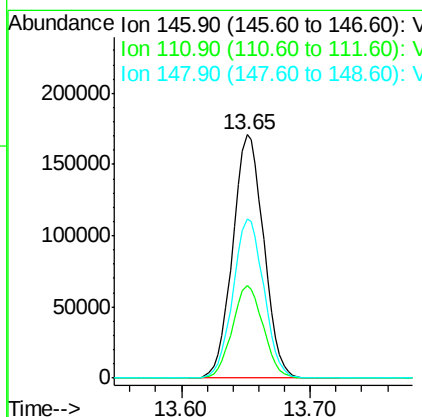
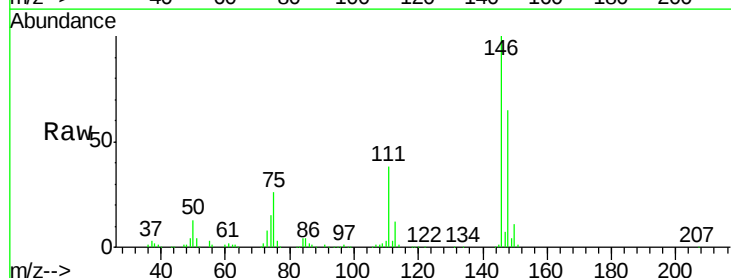
Manual Integrations
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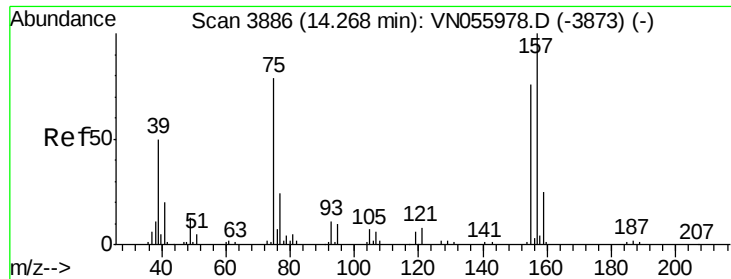
MMDadoda
6/7/2019 9:42:00 AM



#91
1,2-Dichlorobenzene
Concen: 48.841 ug/l
RT: 13.65 min Scan# 3694
Delta R.T. 0.00 min
Lab File: VN056082.D
Acq: 7 Jun 2019 7:14

Tgt Ion:146 Resp: 285352
Ion Ratio Lower Upper
146 100
111 37.9 19.1 57.5
148 65.1 31.9 95.9





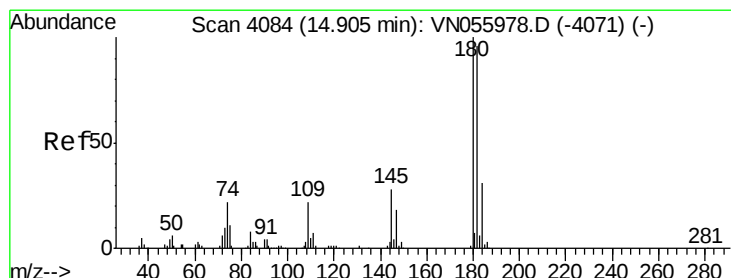
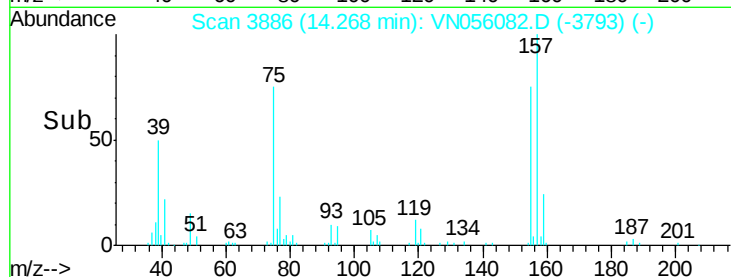
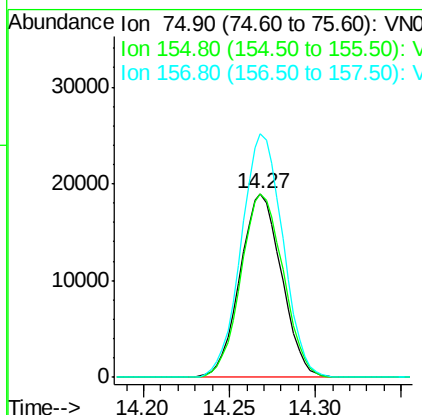
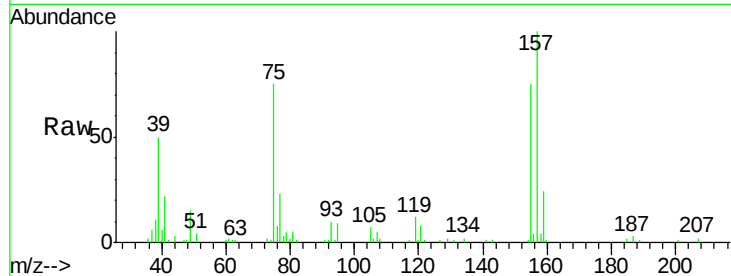
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.982 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056082.D
 Acq: 7 Jun 2019 7:14

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW304S-30190604MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	101.8	50.0	150.1
157	133.0	64.8	194.3

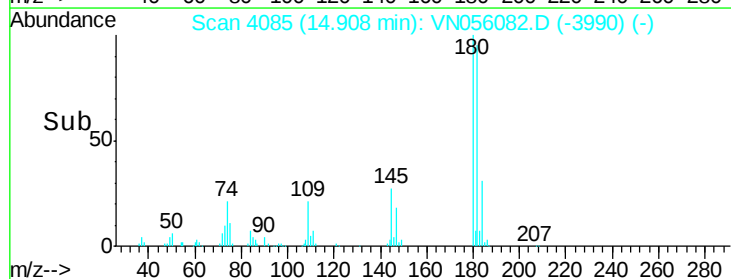
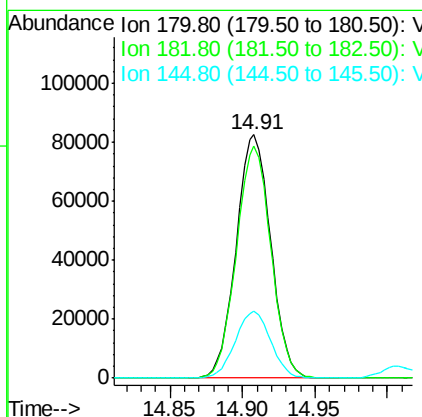
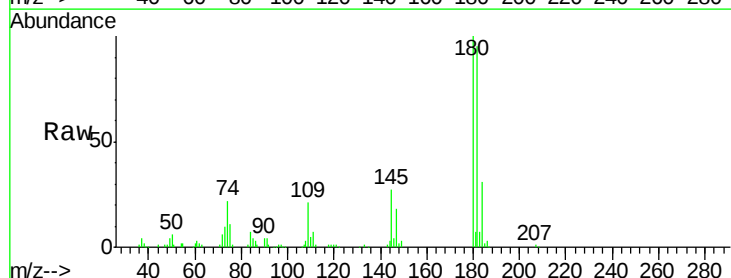
Manual Integrations
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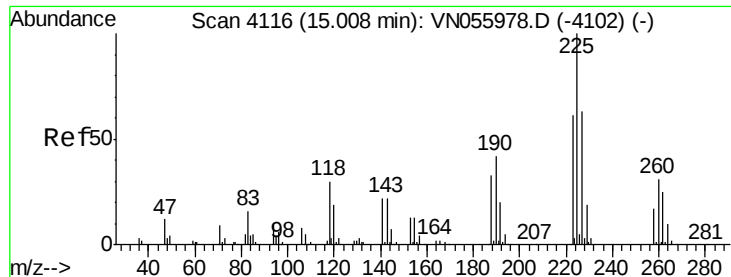
MMDadoda
 6/7/2019 9:42:00 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 43.083 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056082.D
 Acq: 7 Jun 2019 7:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	48.3	144.9
145	28.0	14.0	41.9





#94

Hexachlorobutadiene

Concen: 46.872 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN056082.D

Acq: 7 Jun 2019 7:14

Instrument :

MSVOA_N

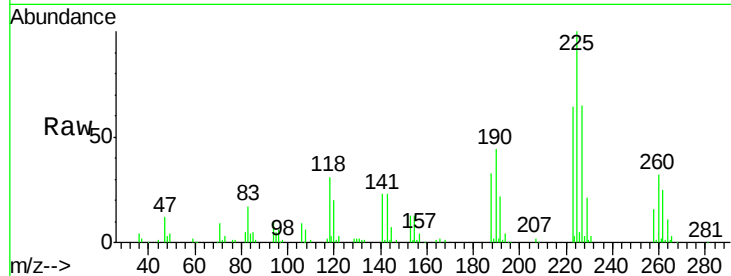
ClientSampleId :

BPS1-TT-MW304S-30190604MSD

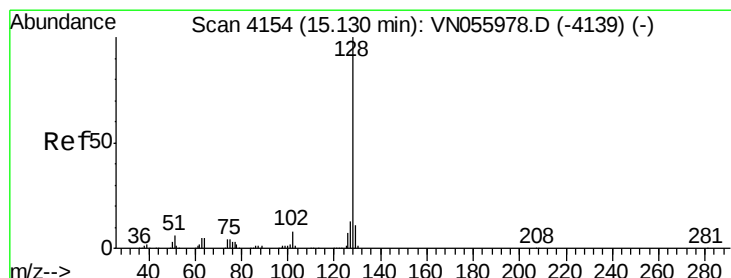
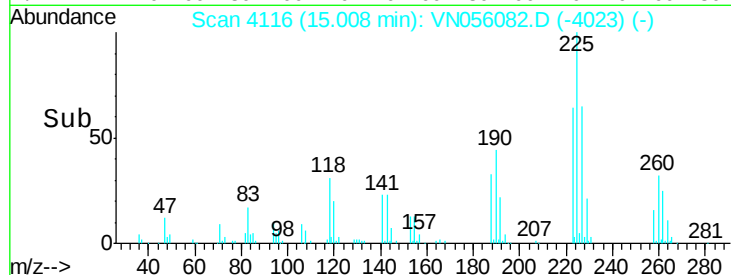
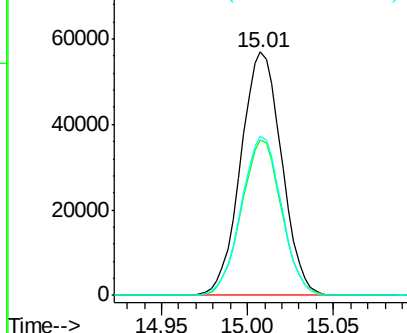
Tot Ion:	225	Resp:	94186
Ion Ratio		Lower	Upper
225	100		
223	62.6	30.9	92.7
227	64.4	31.6	94.7

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



#95

Naphthalene

Concen: 46.892 ug/l

RT: 15.13 min Scan# 4154

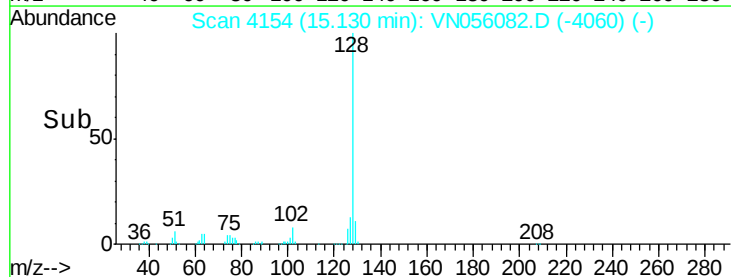
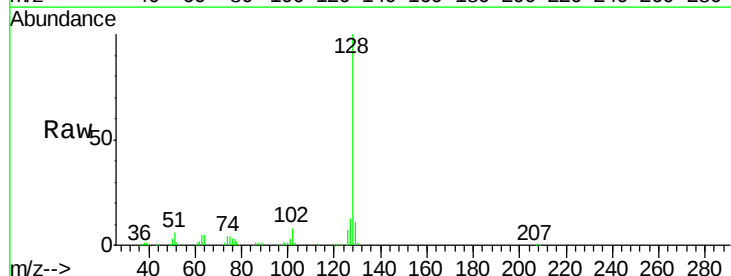
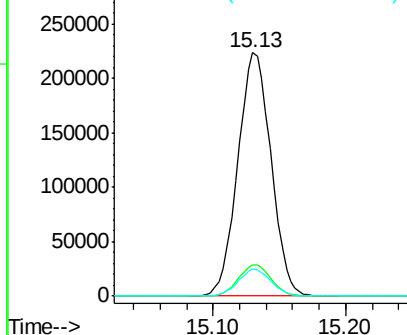
Delta R.T. 0.00 min

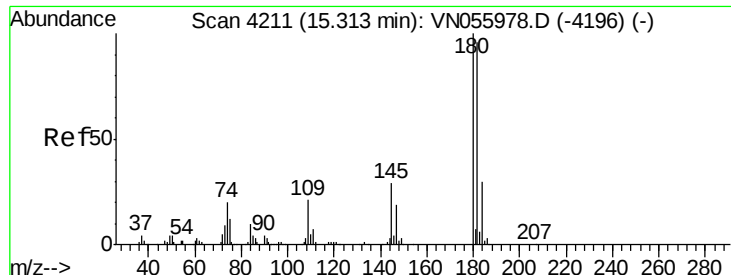
Lab File: VN056082.D

Acq: 7 Jun 2019 7:14

Tgt Ion:	128	Resp:	389522
Ion Ratio		Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.9	8.7	13.1

Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





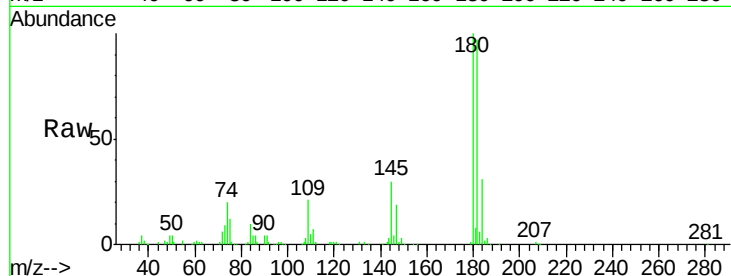
#96
 1,2,3-Trichlorobenzene
 Concen: 47.064 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN056082.D
 Acq: 7 Jun 2019 7:14

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW304S-30190604MSD

Tot Ion:	180	Resp:	153802
Ion Ratio	Lower	Upper	
180	100		
182	96.2	47.9	143.7
145	29.4	14.9	44.7

Manual Integrations
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 6/7/2019 9:42:00 AM



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

