

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111219\
 Data File : VN059202.D
 Acq On : 12 Nov 2019 19:32
 Operator : JC/SP
 Sample : K5769-12MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-305-SRI4MSD

Manual Integrations
 APPROVED

MMDadoda
 11/13/2019 12:07:30 PM

Quant Time: Nov 13 07:38:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	433444	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	681648	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	622600	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	298453	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	266236	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
35) Dibromofluoromethane	7.56	113	210838	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
50) Toluene-d8	10.08	98	805180	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
62) 4-Bromofluorobenzene	12.40	95	296123	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	193912	44.403	ug/l	99
3) Chloromethane	2.04	50	266876	44.956	ug/l	100
4) Vinyl Chloride	2.17	62	266466	46.298	ug/l	100
5) Bromomethane	2.53	94	156222	47.168	ug/l	99
6) Chloroethane	2.68	64	163503	48.024	ug/l	98
7) Trichlorofluoromethane	3.00	101	332087	48.239	ug/l	99
8) Diethyl Ether	3.39	74	133652	47.781	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	200269	48.249	ug/l	99
10) Methyl Iodide	3.92	142	255008	49.634	ug/l	99
11) Tert butyl alcohol	4.75	59	238478	234.854	ug/l	99
12) 1,1-Dichloroethene	3.71	96	192620	47.638	ug/l	99
13) Acrolein	3.58	56	148372	283.405	ug/l	97
14) Allyl chloride	4.29	41	384361m	46.277	ug/l	
15) Acrylonitrile	4.95	53	643775	254.753	ug/l	100
16) Acetone	3.79	43	539242	194.620	ug/l	99
17) Carbon Disulfide	4.03	76	539675	42.997	ug/l	99
18) Methyl Acetate	4.29	43	319167	48.531	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	707060	50.792	ug/l	99
20) Methylene Chloride	4.52	84	233166	48.304	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	210304	48.456	ug/l	100
22) Diisopropyl ether	5.92	45	792720	50.530	ug/l	99
23) Vinyl Acetate	5.86	43	3133120	257.690	ug/l	100
24) 1,1-Dichloroethane	5.82	63	429619	49.031	ug/l	99
25) 2-Butanone	6.81	43	850115	232.802	ug/l	100
26) 2,2-Dichloropropane	6.80	77	326940	42.672	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	253414	50.328	ug/l	97
28) Bromochloromethane	7.17	49	129406	49.089	ug/l	97
29) Tetrahydrofuran	7.18	42	579246	249.646	ug/l	99
30) Chloroform	7.35	83	416494	49.551	ug/l	100
31) Cyclohexane	7.63	56	372487	44.905	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	351097	49.683	ug/l	99
36) 1,1-Dichloropropene	7.77	75	310966	48.806	ug/l	99
37) Ethyl Acetate	6.90	43	337837	47.663	ug/l	99
38) Carbon Tetrachloride	7.75	117	309739	48.842	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	350552	47.407	ug/l	99
40) Benzene	8.02	78	941109	49.050	ug/l	100
41) Methacrylonitrile	7.15	41	158043m	51.276	ug/l	
42) 1,2-Dichloroethane	8.10	62	327480	49.765	ug/l	100
43) Isopropyl Acetate	8.14	43	548501	48.540	ug/l	100
44) Trichloroethene	8.81	130	236095	50.058	ug/l	98
45) 1,2-Dichloropropane	9.10	63	259155	49.728	ug/l	99
46) Dibromomethane	9.19	93	159027	48.969	ug/l	99
47) Bromodichloromethane	9.39	83	328926	50.723	ug/l	98
48) Methyl methacrylate	9.18	41	252176	49.891	ug/l	99
49) 1,4-Dioxane	9.18	88	86576	963.821	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	1757413	274.859	ug/l	99
52) Toluene	10.14	92	573962	49.910	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	368671	49.209	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	388533	48.212	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	230007	49.420	ug/l	99
56) Ethyl methacrylate	10.42	69	364321	47.048	ug/l	99
57) 1,3-Dichloropropane	10.70	76	403638	50.390	ug/l	100
59) 2-Hexanone	10.74	43	1294119	263.697	ug/l	100
60) Dibromochloromethane	10.89	129	251703	51.152	ug/l	99
61) 1,2-Dibromoethane	11.00	107	238411	50.603	ug/l	100
64) Tetrachloroethene	10.62	164	410887	97.054	ug/l	98
65) Chlorobenzene	11.43	112	609039	50.181	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	231781	50.909	ug/l	99
67) Ethyl Benzene	11.51	91	1107735	51.442	ug/l	99
68) m/p-Xylenes	11.62	106	824595	102.228	ug/l	99
69) o-Xylene	11.94	106	392867	50.398	ug/l	99
70) Stvrene	11.96	104	651881	53.172	ug/l	100
71) Bromoform	12.12	173	185349	52.338	ug/l #	100
73) Isopropylbenzene	12.25	105	1065809	49.094	ug/l	100
74) N-amyl acetate	12.07	43	450490	48.971	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	360363	48.743	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	330154m	48.589	ug/l	
77) Bromobenzene	12.53	156	255596	46.861	ug/l	98
78) n-propylbenzene	12.59	91	1249593	50.270	ug/l	100
79) 2-Chlorotoluene	12.67	91	747222	48.457	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	907902	49.354	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	121663	47.293	ug/l	99
82) 4-Chlorotoluene	12.77	91	761189	49.216	ug/l	100
83) tert-Butylbenzene	12.99	119	769180	48.418	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	904818	50.839	ug/l	99
85) sec-Butylbenzene	13.17	105	1042594	50.463	ug/l	100
86) p-Isopropyltoluene	13.29	119	935103	51.259	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	463208	49.593	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	454288	48.613	ug/l	99
89) n-Butylbenzene	13.62	91	793047	49.669	ug/l	100
90) Hexachloroethane	13.88	117	174847	47.731	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	454127	49.426	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	71507	48.480	ug/l	99
93) 1,2,4-Trichlorobenzene	14.91	180	248962	44.986	ug/l	100

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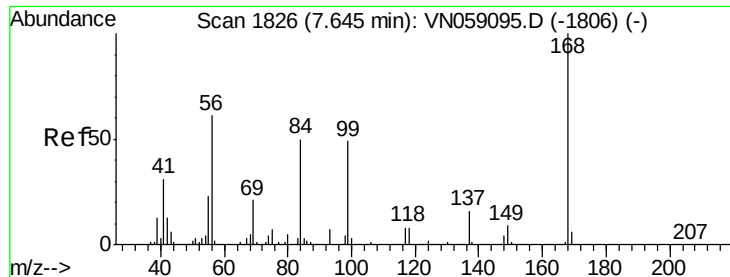
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	145061	45.789	ug/l	99
95) Naphthalene	15.13	128	692857	45.116	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	253080	49.150	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059202.D

Acq: 12 Nov 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

MW-305-SRI4MSD

Tot Ion:168 Resp: 433444

Ion Ratio Lower Upper

168 100

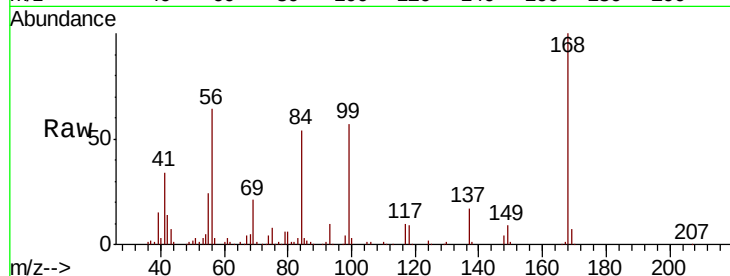
99 56.7 45.7 68.5

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNC

7.64

200000

150000

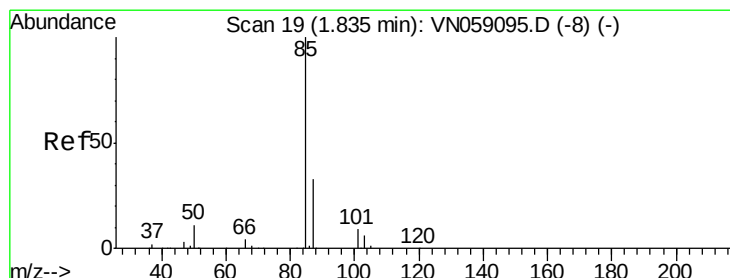
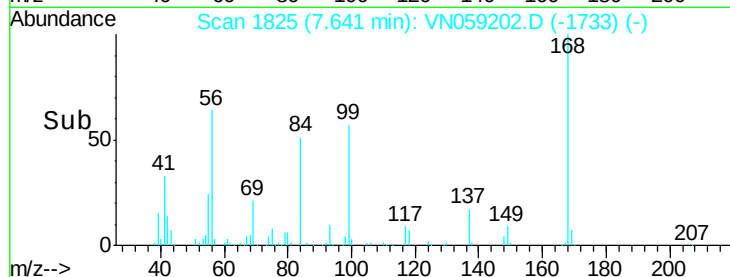
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 44.403 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059202.D

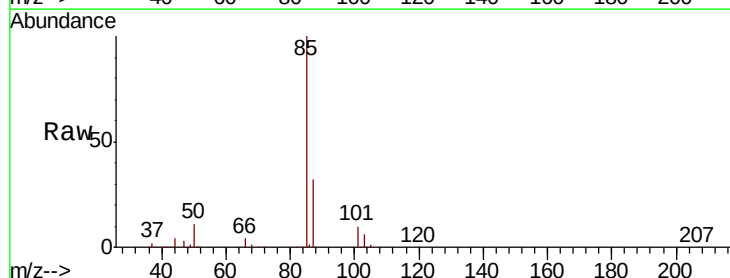
Acq: 12 Nov 2019 19:32

Tgt Ion: 85 Resp: 193912

Ion Ratio Lower Upper

85 100

87 32.1 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNC

Ion 86.90 (86.60 to 87.60): VNC

150000

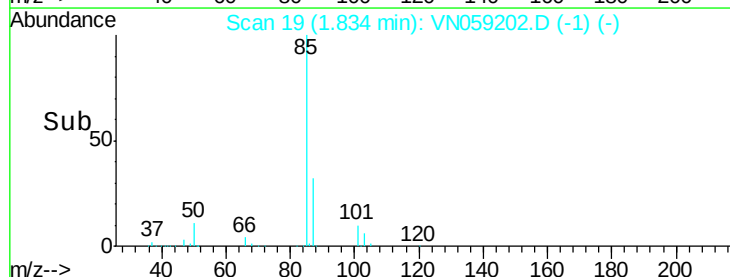
100000

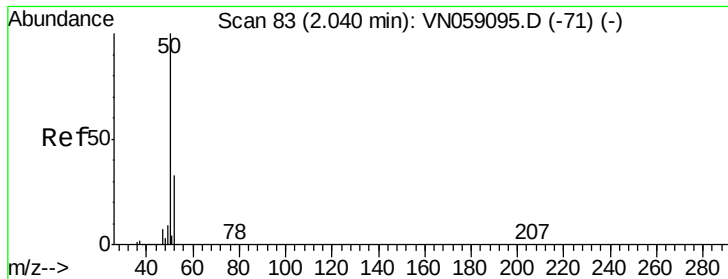
50000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 44.956 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059202.D

Acq: 12 Nov 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

MW-305-SRI4MSD

Tot Ion: 50 Resp: 266876

Ion Ratio Lower Upper

50 100

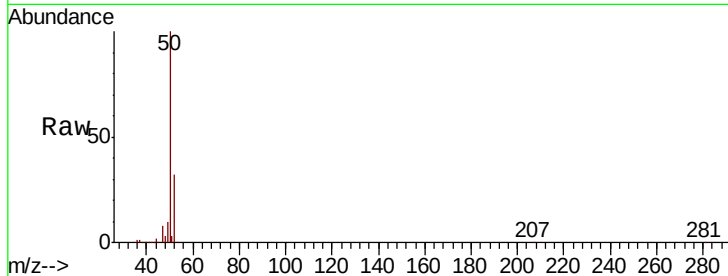
52 32.3 26.0 39.0

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

200000

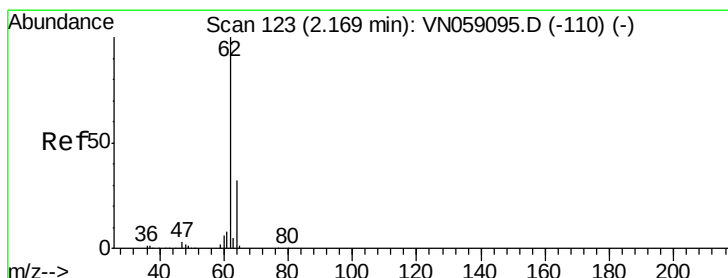
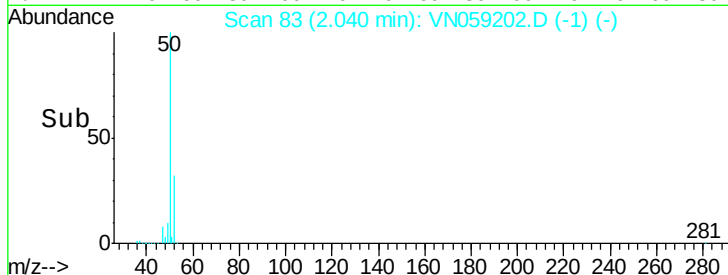
150000

100000

50000

0

Time--> 1.95 2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 46.298 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059202.D

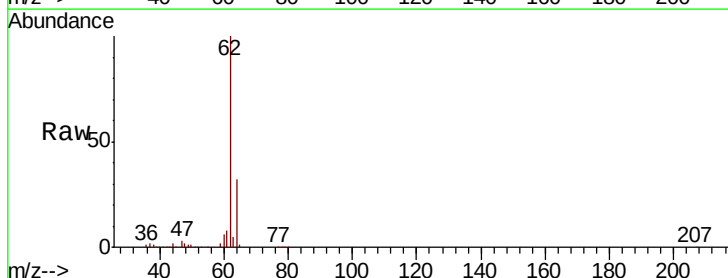
Acq: 12 Nov 2019 19:32

Tgt Ion: 62 Resp: 266466

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.17

200000

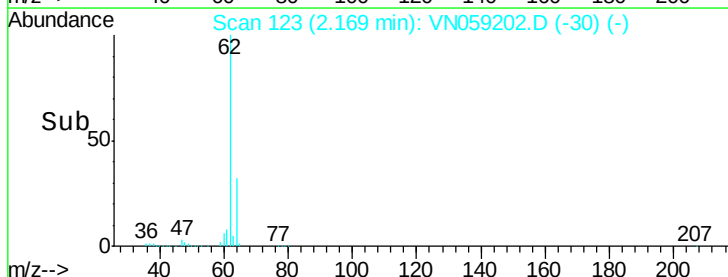
150000

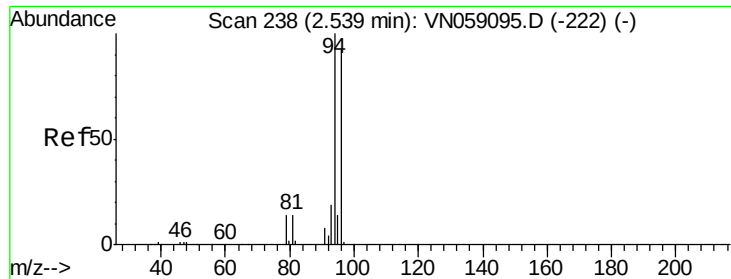
100000

50000

0

Time--> 2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 47.168 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.01 min

Lab File: VN059202.D

Acq: 12 Nov 2019 19:32

Instrument :

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ClientSampleId :

MW-305-SRI4MSD

Tot Ion: 94 Resp: 156222

Ion Ratio Lower Upper

94 100

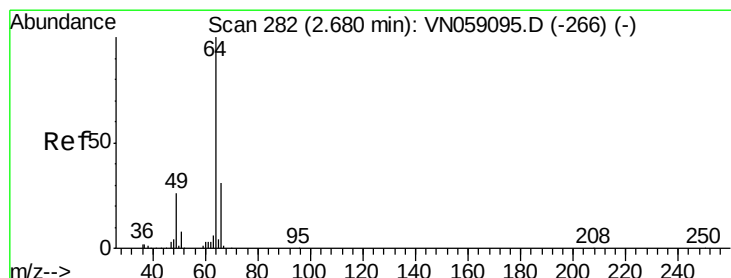
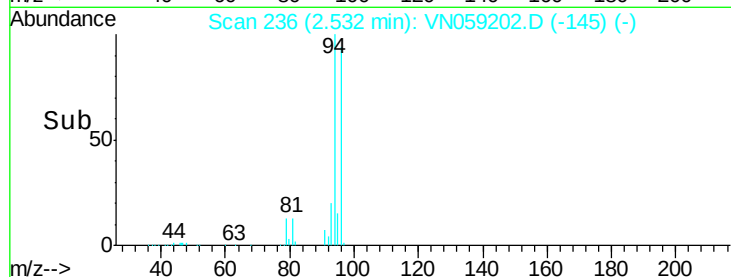
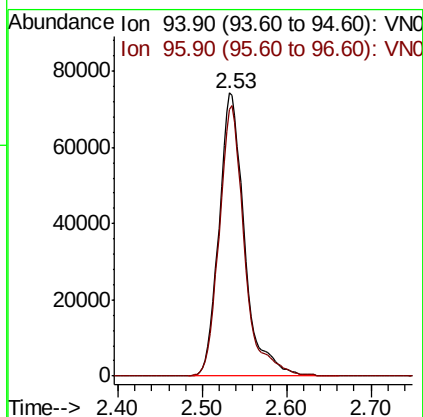
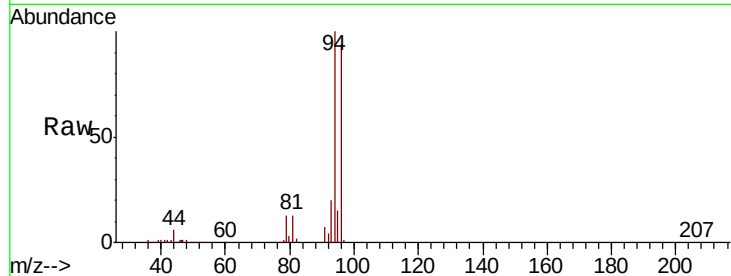
96 94.1 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 48.024 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN059202.D

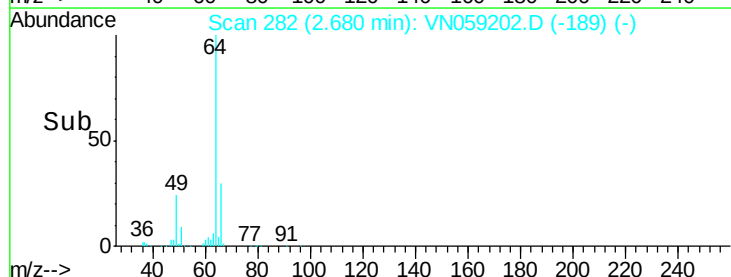
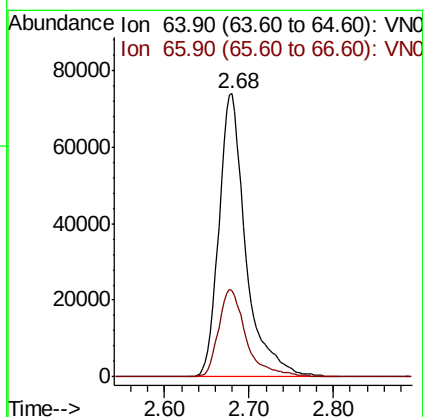
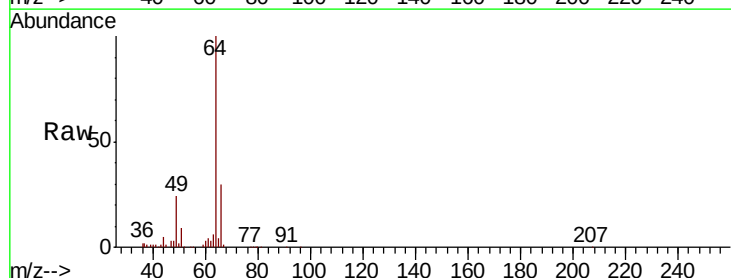
Acq: 12 Nov 2019 19:32

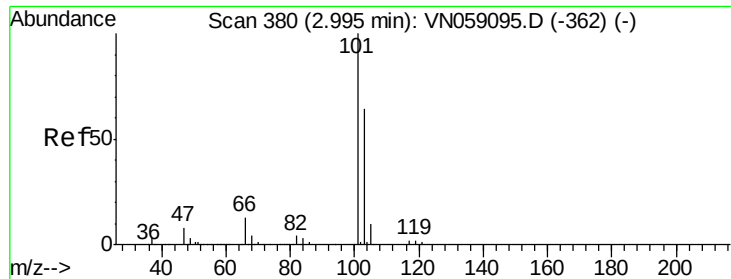
Tgt Ion: 64 Resp: 163503

Ion Ratio Lower Upper

64 100

66 30.5 25.2 37.8





#7

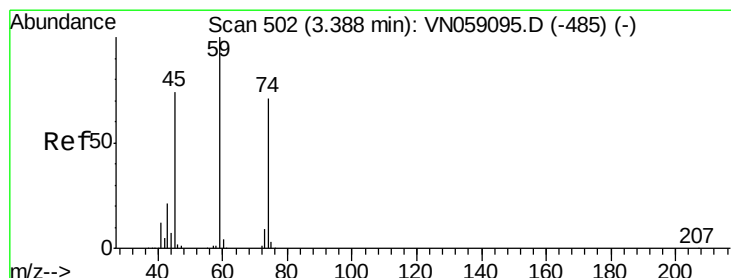
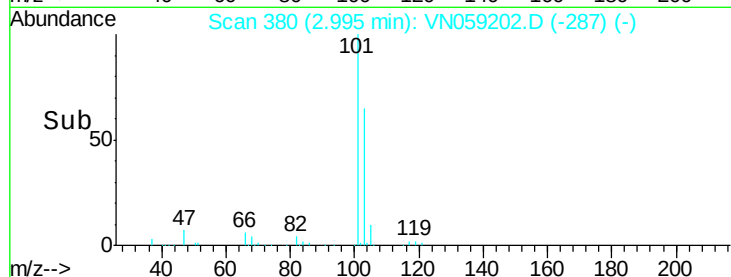
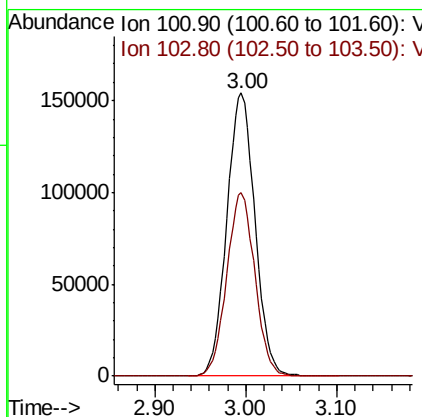
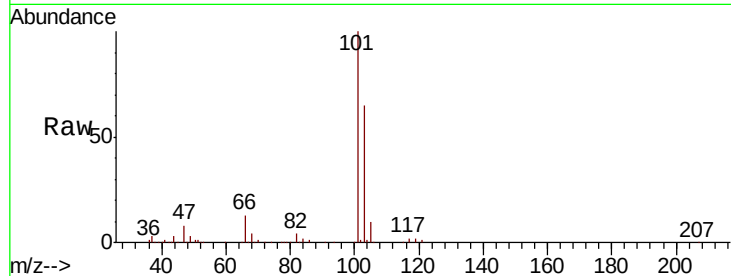
Trichlorofluoromethane
Concen: 48.239 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN059202.D
Acq: 12 Nov 2019 19:32

Instrument :
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ClientSampleId :
MW-305-SRI4MSD

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.2	76.8

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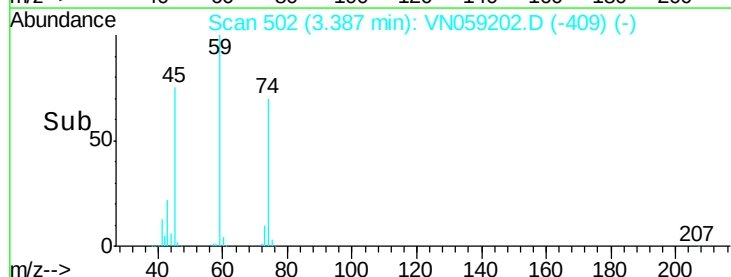
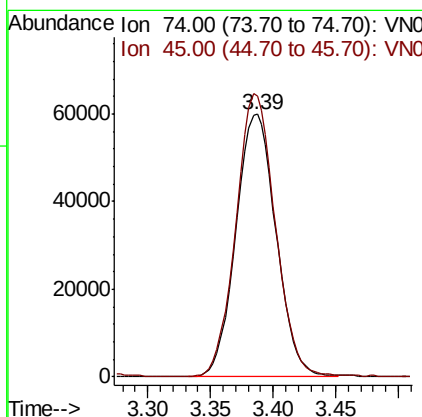
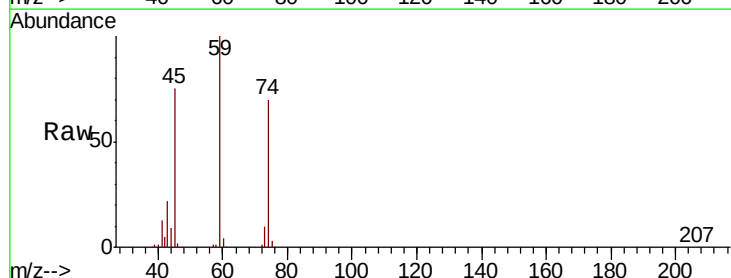
MMDadoda
11/13/2019 12:07:30 PM

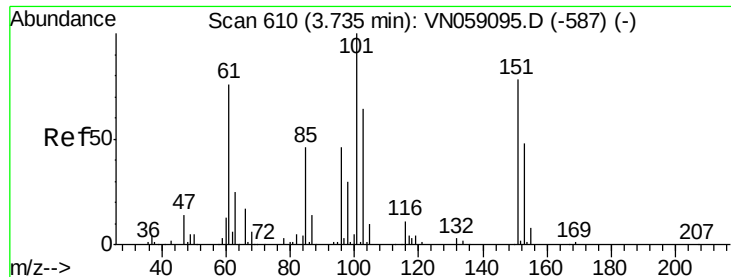


#8

Diethyl Ether
Concen: 47.781 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN059202.D
Acq: 12 Nov 2019 19:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.7	51.6	154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.249 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059202.D

Acq: 12 Nov 2019 19:32

Instrument :

MSVOA_N

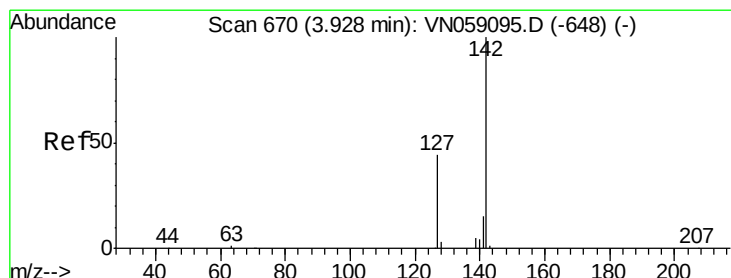
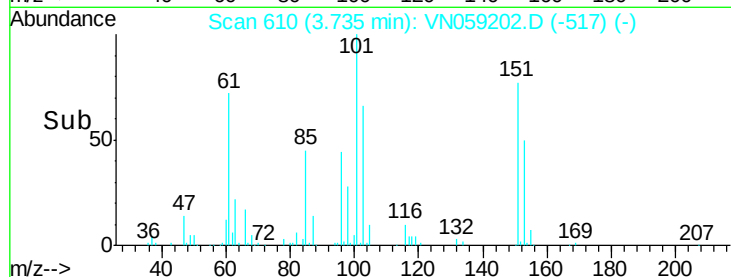
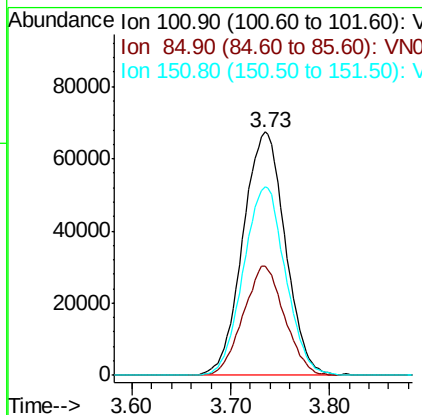
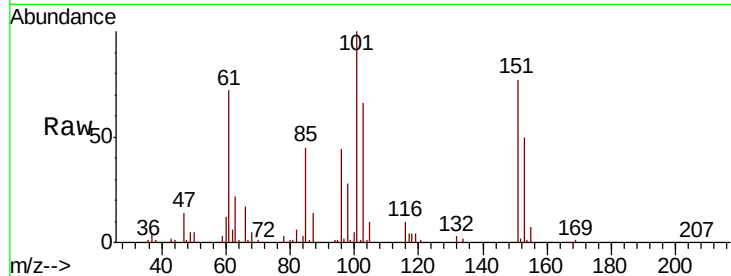
ClientSampleId :

MW-305-SRI4MSD

Tot Ion:	101	Resp:	200269
Ion Ratio	Lower	Upper	
101	100		
85	43.8	35.5	53.3
151	77.0	62.2	93.2

Manual Integrations
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11/13/2019 12:07:30 PM



#10

Methyl Iodide

Concen: 49.634 ug/l

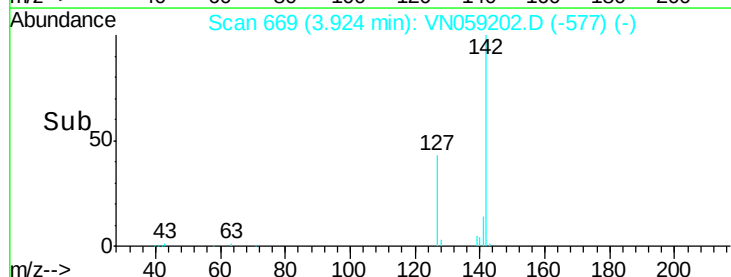
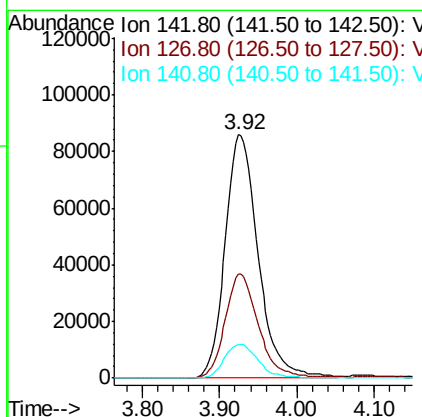
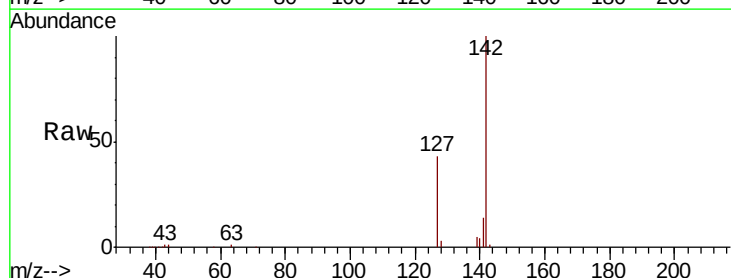
RT: 3.92 min Scan# 669

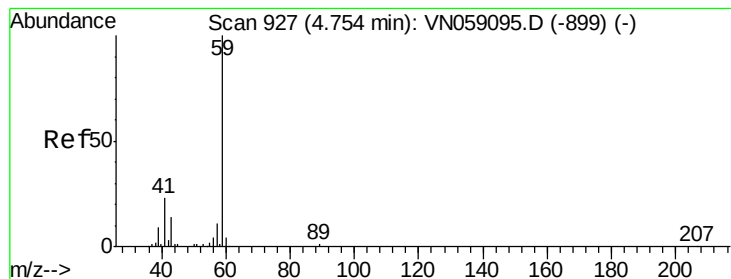
Delta R.T. -0.00 min

Lab File: VN059202.D

Acq: 12 Nov 2019 19:32

Tgt Ion:	142	Resp:	255008
Ion Ratio	Lower	Upper	
142	100		
127	43.1	34.2	51.2
141	14.3	11.4	17.0





#11

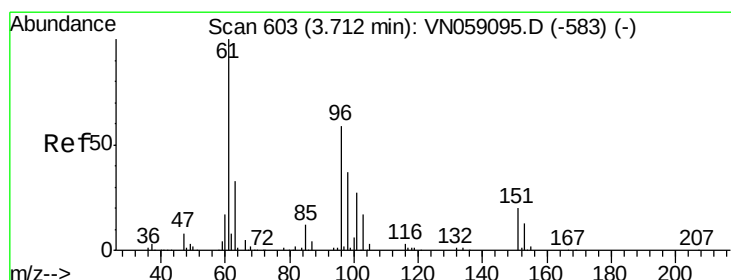
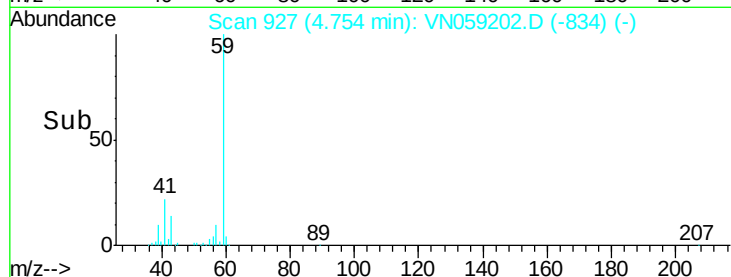
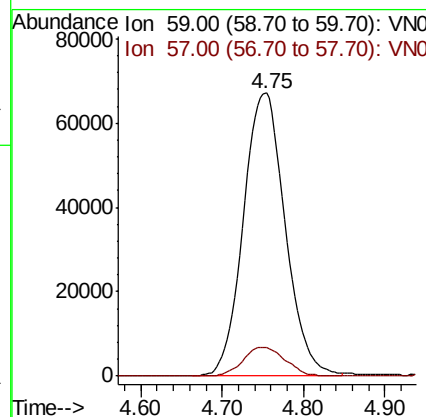
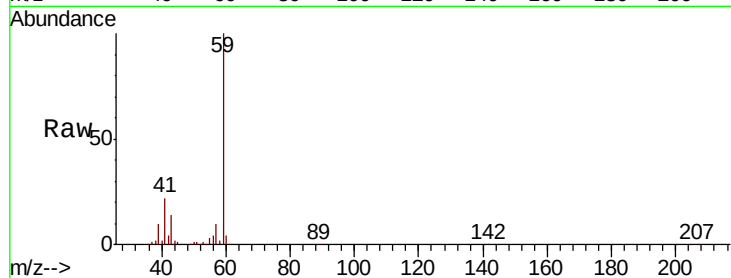
Tert butyl alcohol
 Concen: 234.854 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: VN059202.D
 Acq: 12 Nov 2019 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-305-SRI4MSD

Tot Ion	59	Resp	238478
Ion Ratio	100	Lower	Upper
57	10.2	8.3	12.5

Manual Integrations
 APPROVED

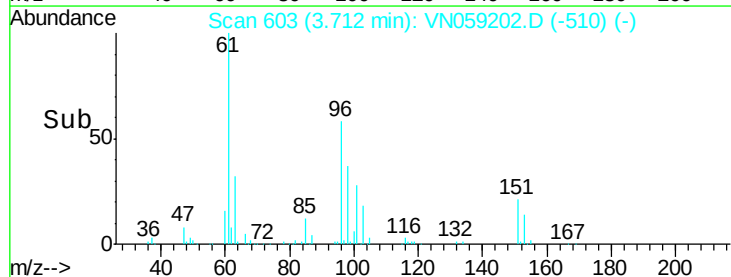
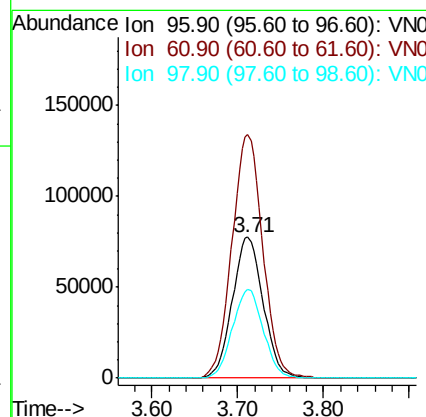
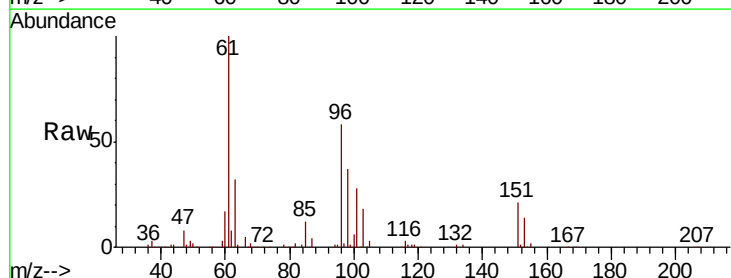
MMDadoda
 11/13/2019 12:07:30 PM

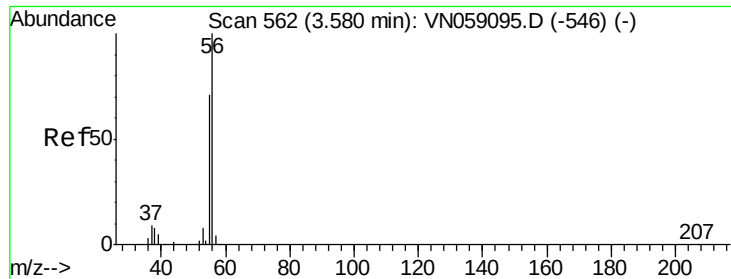


#12

1,1-Dichloroethene
 Concen: 47.638 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN059202.D
 Acq: 12 Nov 2019 19:32

Tgt Ion	96	Resp	192620
Ion Ratio	100	Lower	Upper
61	172.8	136.5	204.7
98	63.4	50.2	75.4





#13

Acrolein

Concen: 283.405 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059202.D

Acq: 12 Nov 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

MW-305-SRI4MSD

Tot Ion: 56 Resp: 148372

Ion Ratio Lower Upper

56 100

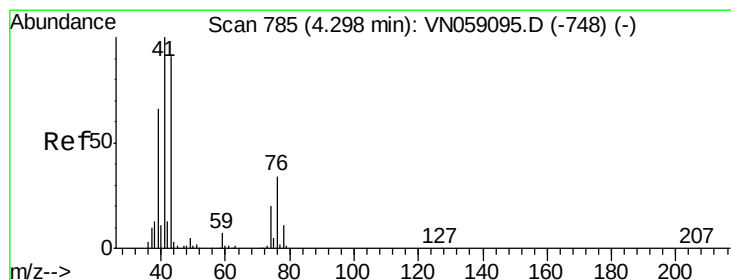
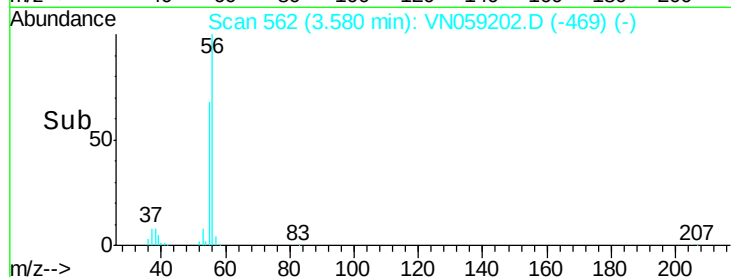
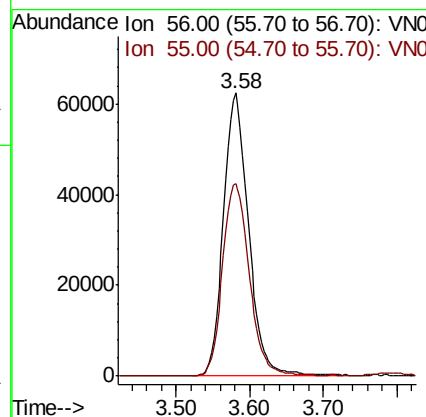
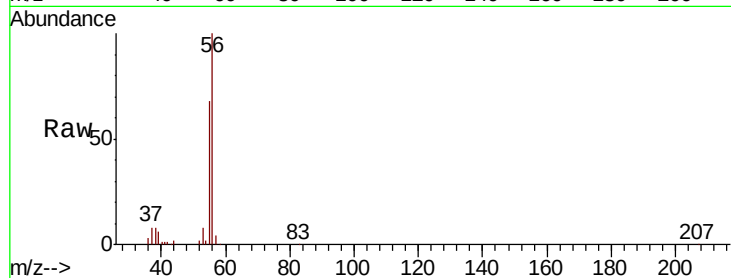
55 72.6 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 46.277 ug/l m

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059202.D

Acq: 12 Nov 2019 19:32

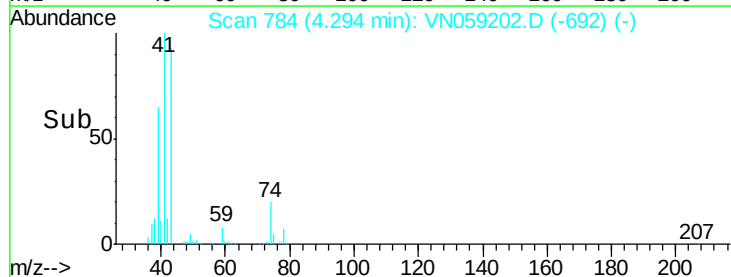
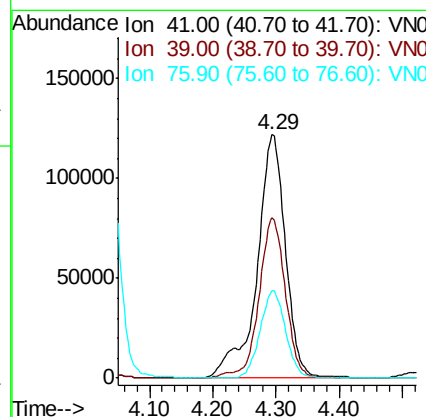
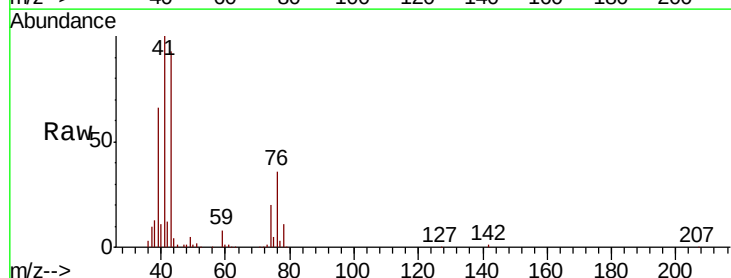
Tgt Ion: 41 Resp: 384361

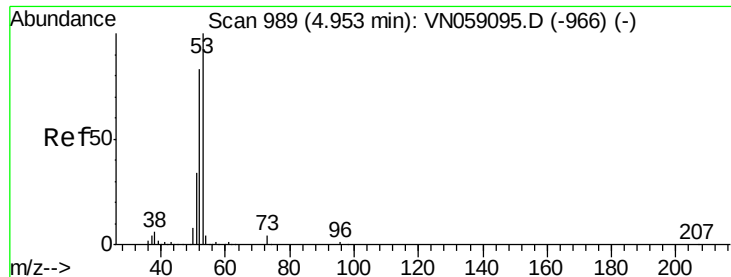
Ion Ratio Lower Upper

41 100

39 60.8 49.1 73.7

76 32.0 24.9 37.3





#15

Acrylonitrile

Concen: 254.753 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.00 min

Lab File: VN059202.D

Acq: 12 Nov 2019 19:32

Instrument :

MSVOA_N

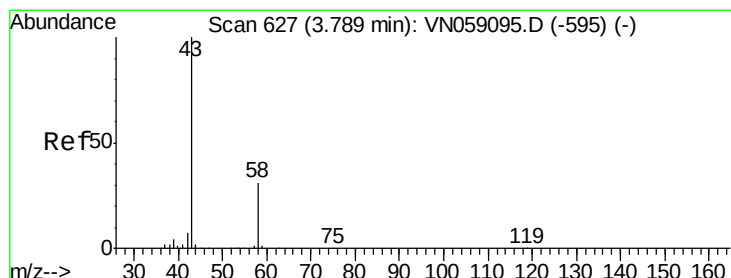
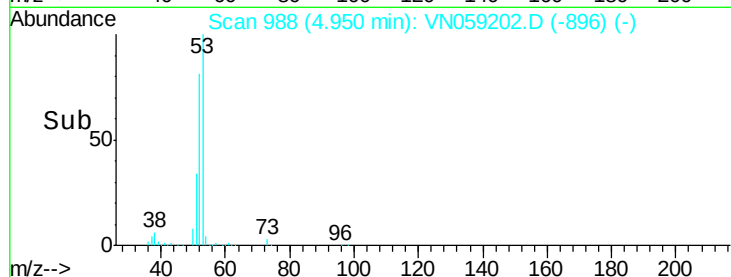
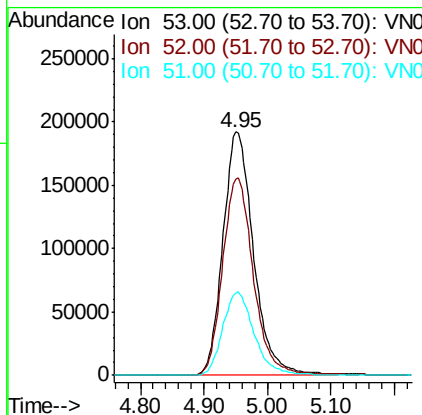
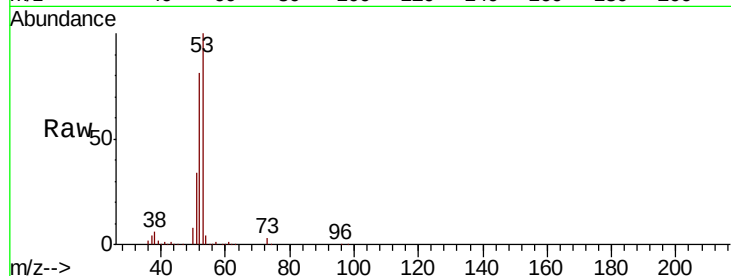
ClientSampleId :

MW-305-SRI4MSD

Tot Ion:	53	Resp:	643775
Ion	Ratio	Lower	Upper
53	100		
52	81.2	65.0	97.6
51	35.3	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 194.620 ug/l

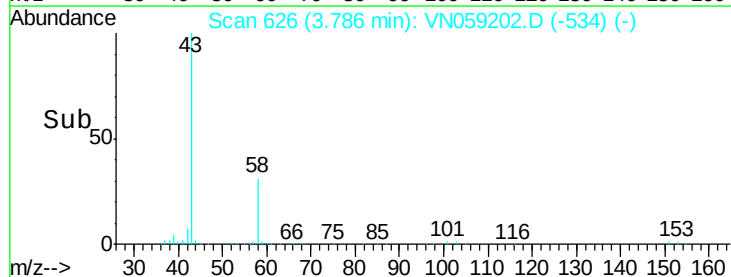
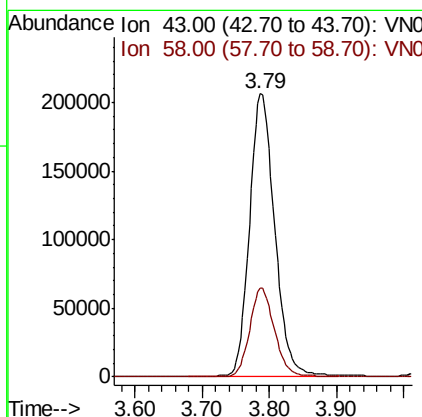
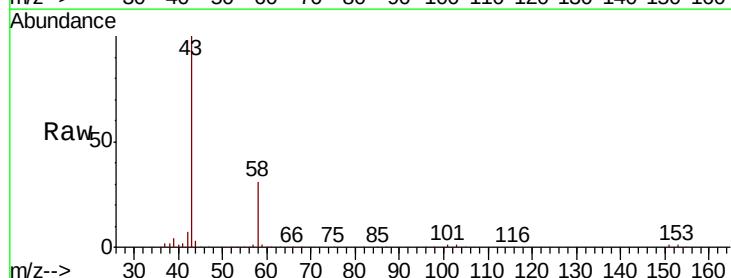
RT: 3.79 min Scan# 626

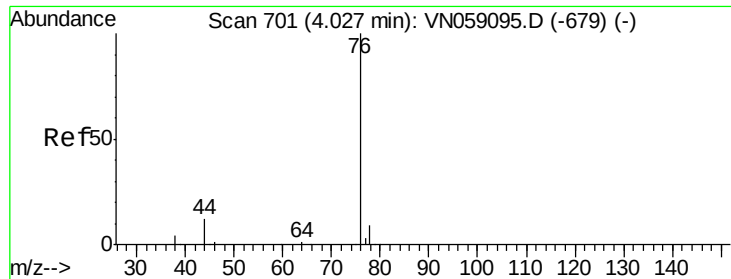
Delta R.T. -0.00 min

Lab File: VN059202.D

Acq: 12 Nov 2019 19:32

Tgt Ion:	43	Resp:	539242
Ion	Ratio	Lower	Upper
43	100		
58	31.4	24.9	37.3





#17

Carbon Disulfide

Concen: 42.997 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN059202.D

Acq: 12 Nov 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

MW-305-SRI4MSD

Tot Ion: 76 Resp: 539675

Ion Ratio Lower Upper

76 100

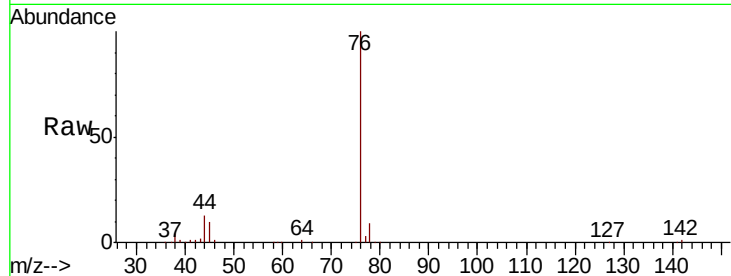
78 8.7 7.4 11.0

Manual Integrations

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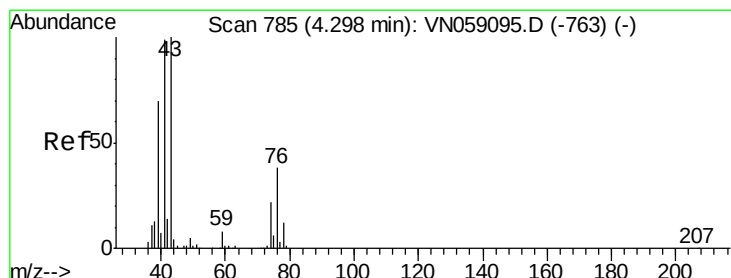
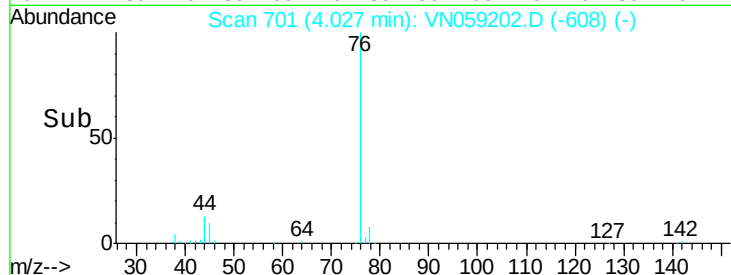
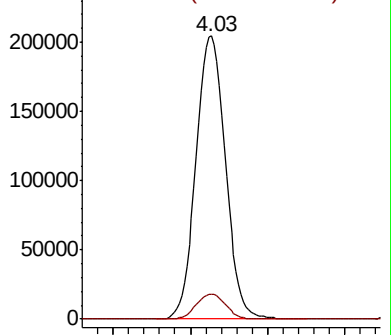
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 48.531 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059202.D

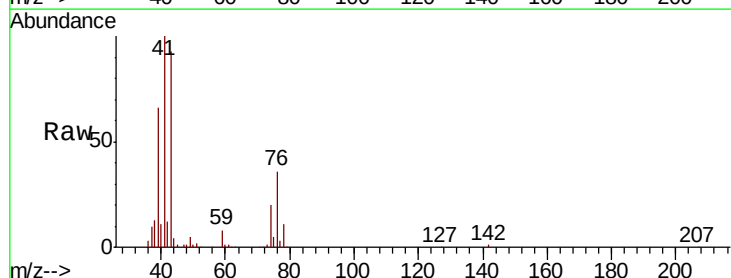
Acq: 12 Nov 2019 19:32

Tgt Ion: 43 Resp: 319167

Ion Ratio Lower Upper

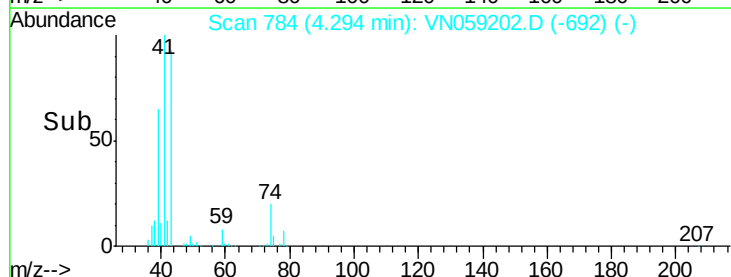
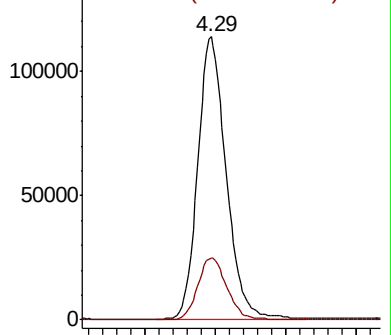
43 100

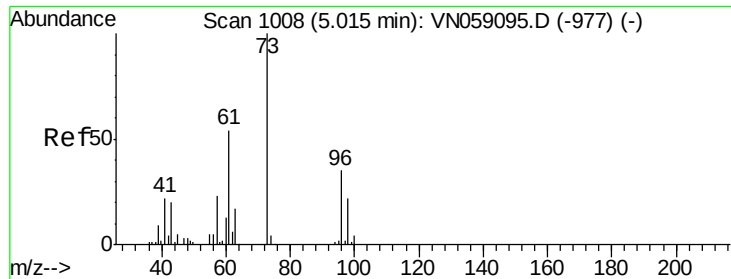
74 22.3 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





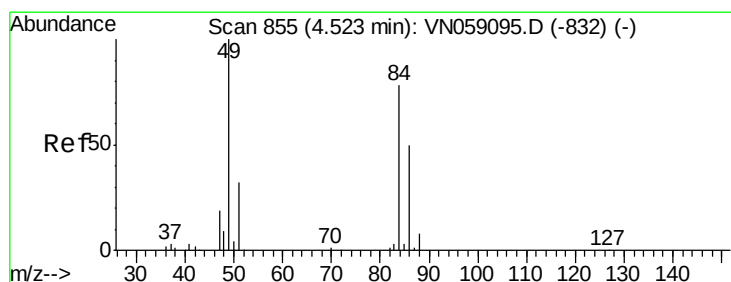
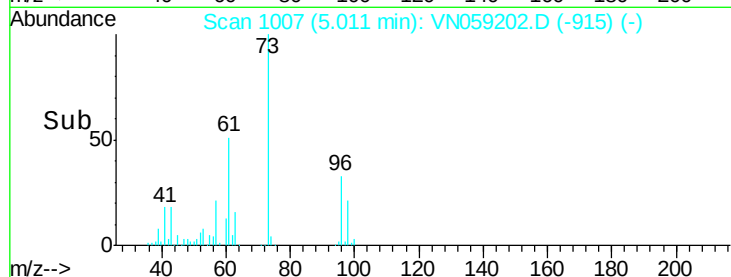
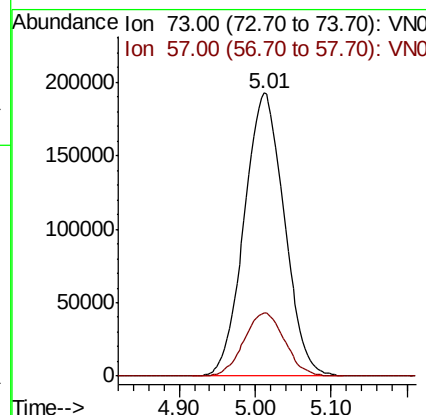
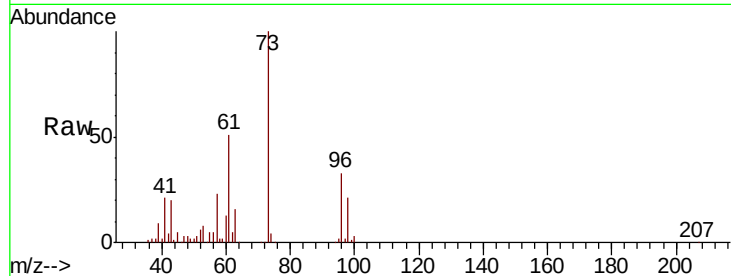
#19
Methyl tert-butyl Ether
Concen: 50.792 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059202.D
Acq: 12 Nov 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
MW-305-SRI4MSD

Tot Ion: 73 Resp: 707060
Ion Ratio Lower Upper
73 100
57 22.5 18.4 27.6

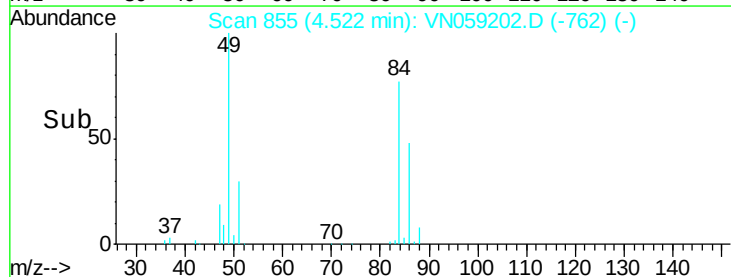
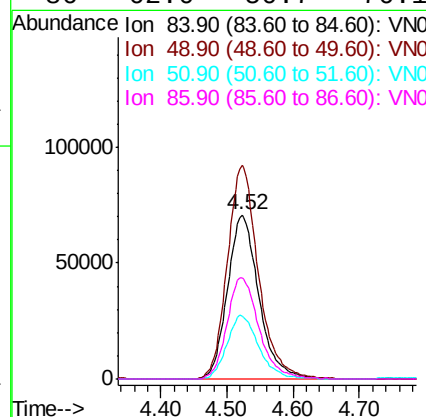
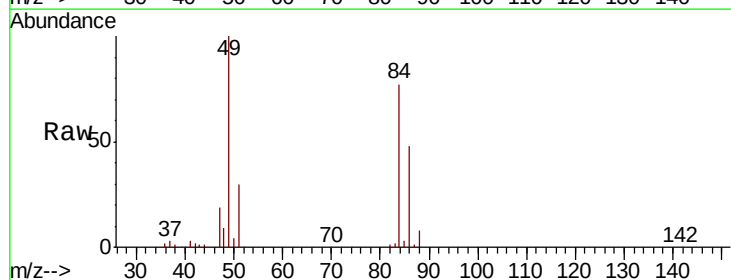
Manual Integrations
APPROVED

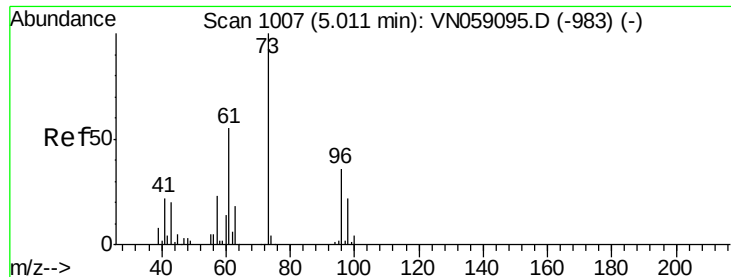
MMDadoda
11/13/2019 12:07:30 PM



#20
Methylene Chloride
Concen: 48.304 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059202.D
Acq: 12 Nov 2019 19:32

Tgt Ion: 84 Resp: 233166
Ion Ratio Lower Upper
84 100
49 130.2 102.0 153.0
51 38.6 32.2 48.2
86 62.0 50.7 76.1





#21

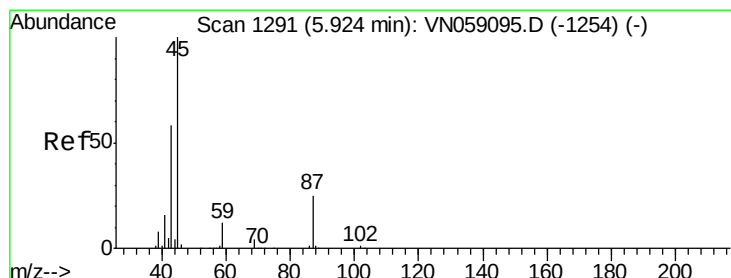
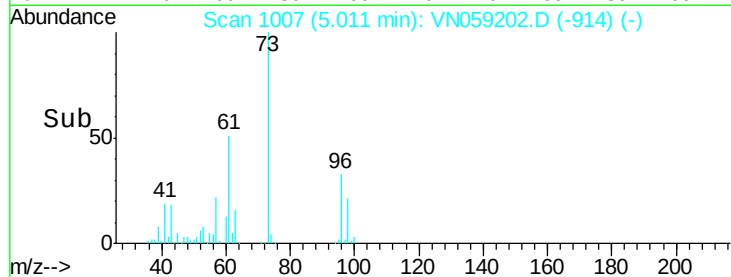
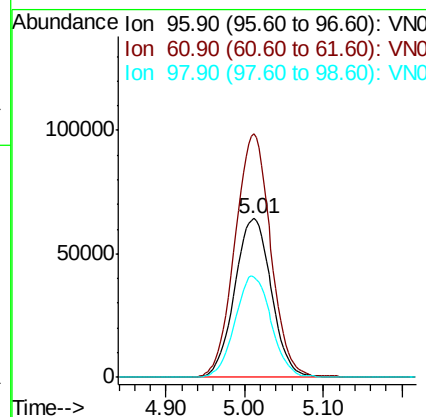
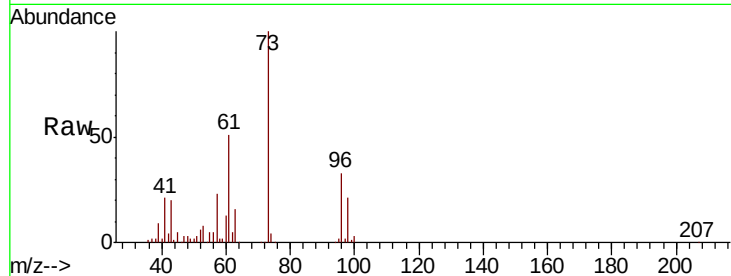
trans-1,2-Dichloroethene
Concen: 48.456 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059202.D
Acq: 12 Nov 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
MW-305-SRI4MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.4	122.6	183.8
98	63.1	50.3	75.5

Manual Integrations
APPROVED

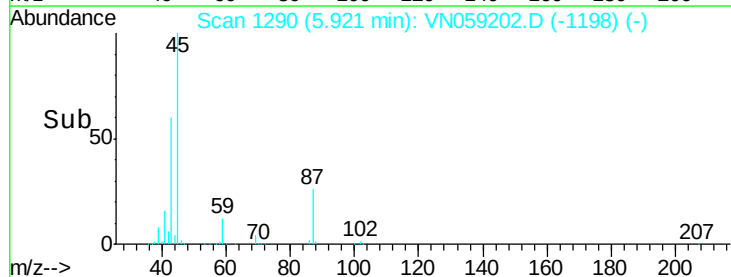
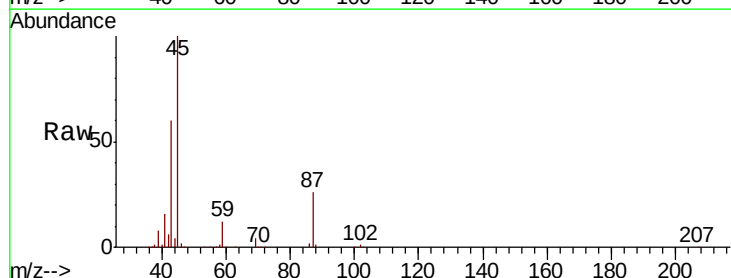
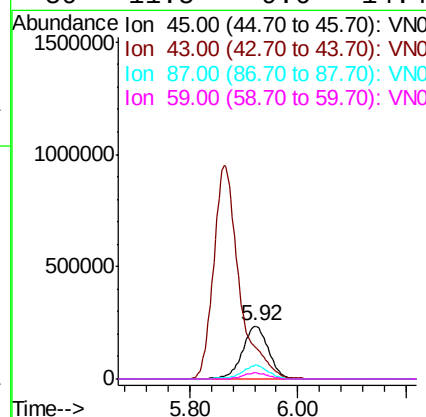
MMDadoda
11/13/2019 12:07:30 PM

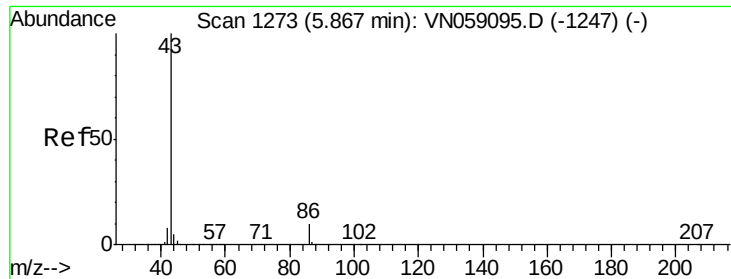


#22

Diisopropyl ether
Concen: 50.530 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VN059202.D
Acq: 12 Nov 2019 19:32

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.6	46.7	70.1
87	25.9	20.5	30.7
59	11.5	9.6	14.4





#23

Vinyl Acetate

Concen: 257.690 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059202.D

Acq: 12 Nov 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

MW-305-SRI4MSD

Tot Ion: 43 Resp: 3133120

Ion Ratio Lower Upper

43 100

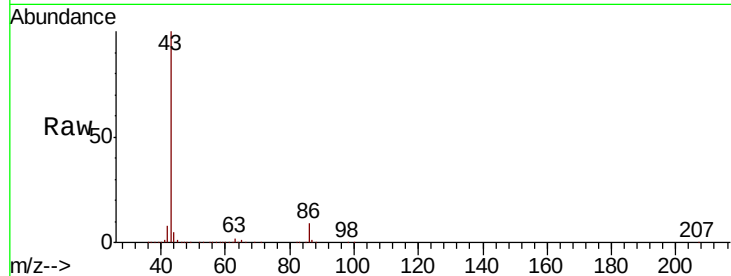
86 9.4 7.7 11.5

Manual Integrations

APPROVED

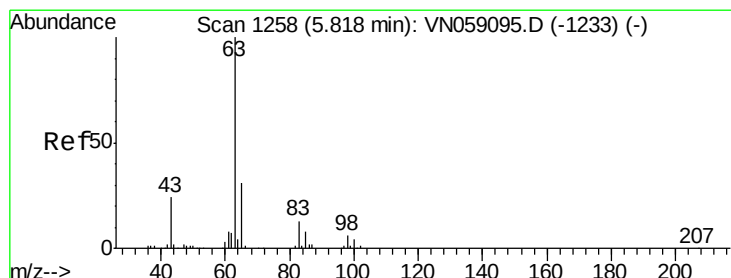
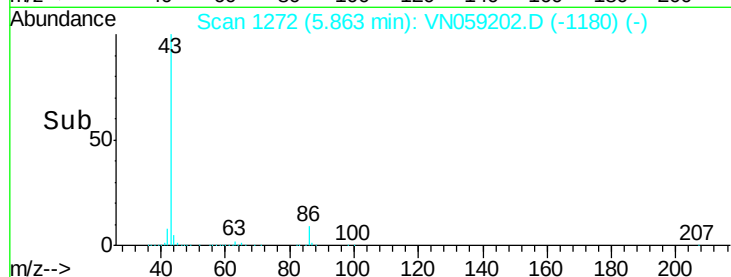
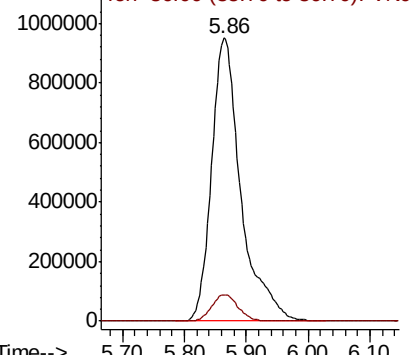
MMDadoda

11/13/2019 12:07:30 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 49.031 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059202.D

Acq: 12 Nov 2019 19:32

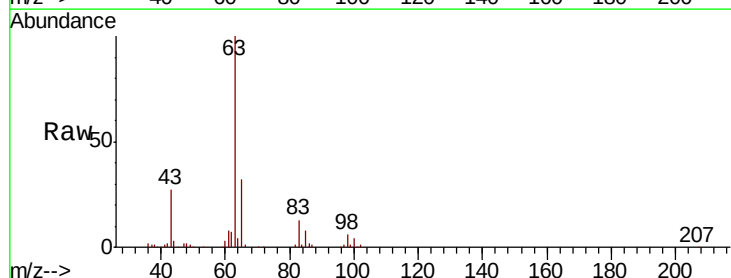
Tgt Ion: 63 Resp: 429619

Ion Ratio Lower Upper

63 100

98 6.1 2.8 8.4

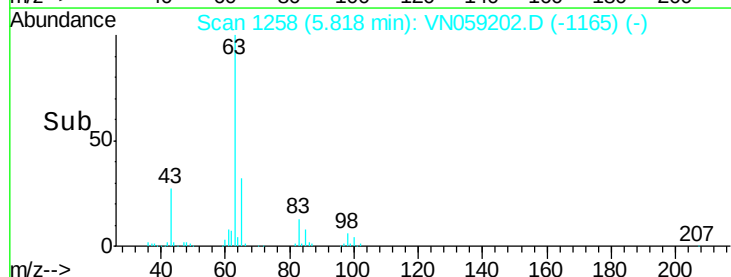
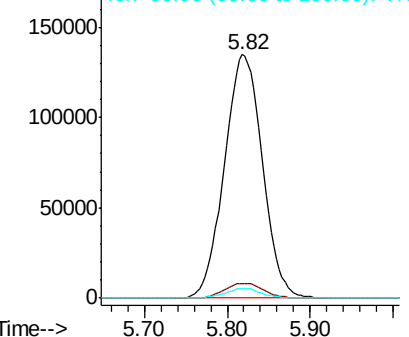
100 4.1 1.9 5.7

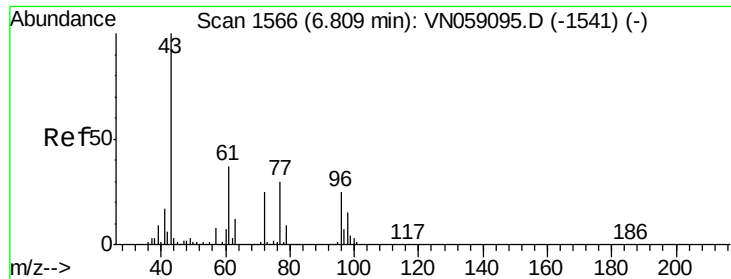


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 232.802 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059202.D

Acq: 12 Nov 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

MW-305-SRI4MSD

Tot Ion: 43 Resp: 850115

Ion Ratio Lower Upper

43 100

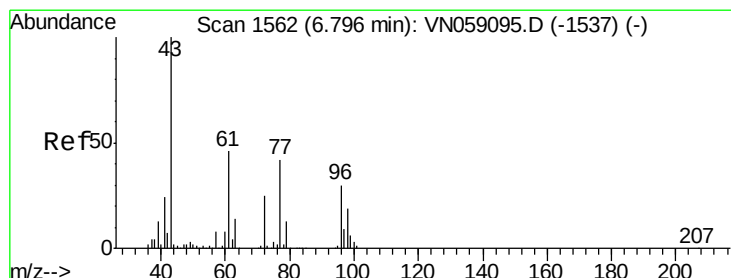
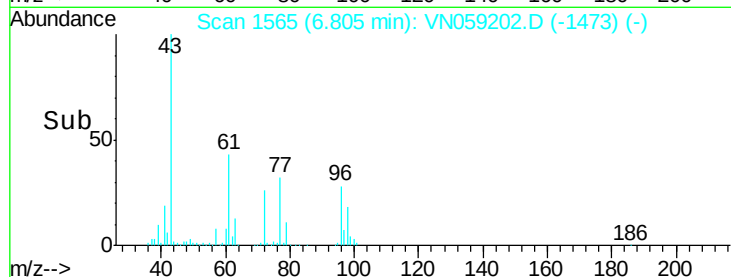
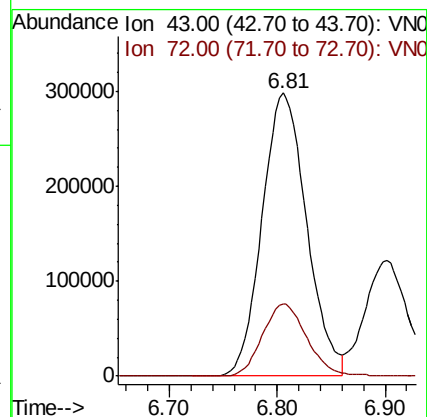
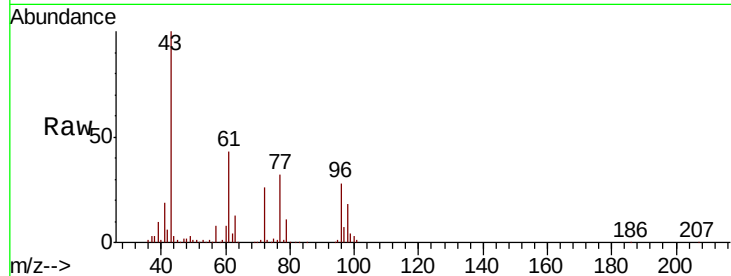
72 25.5 20.3 30.5

Manual Integrations

APPROVED

MMDadoda

11/13/2019 12:07:30 PM



#26

2,2-Dichloropropane

Concen: 42.672 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059202.D

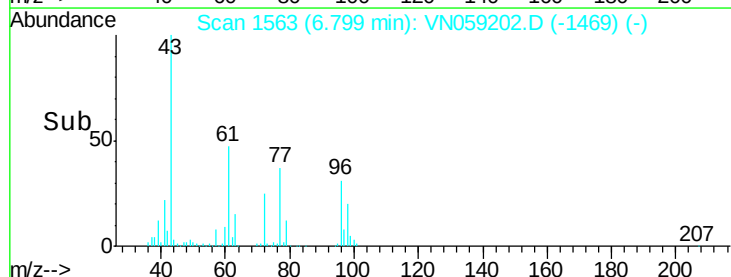
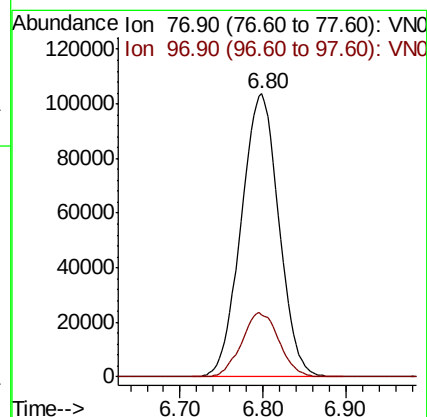
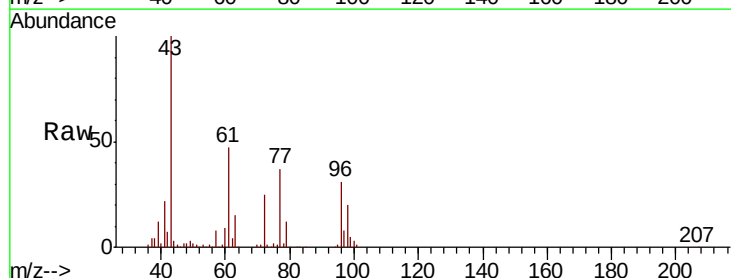
Acq: 12 Nov 2019 19:32

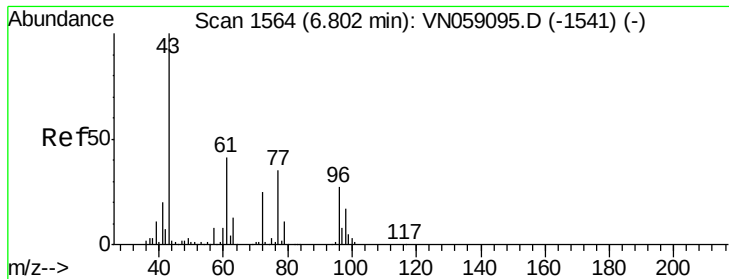
Tgt Ion: 77 Resp: 326940

Ion Ratio Lower Upper

77 100

97 22.6 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 50.328 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059202.D

Acq: 12 Nov 2019 19:32

Instrument :

MSVOA_N

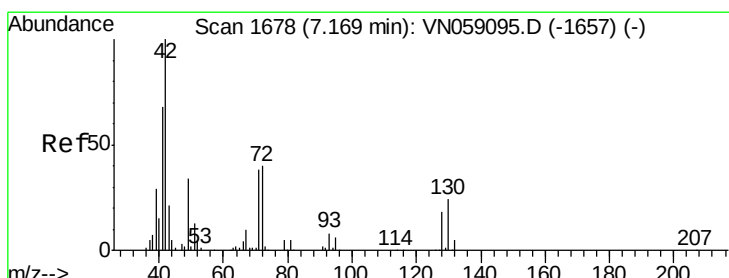
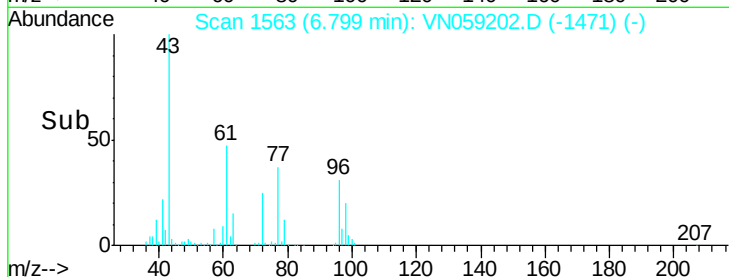
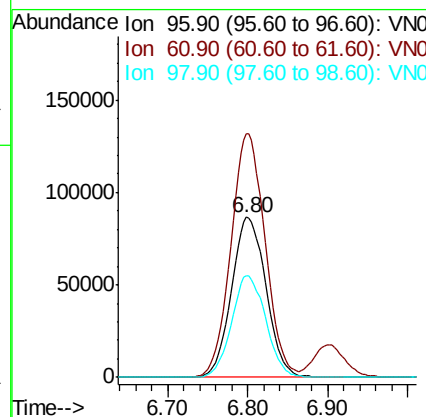
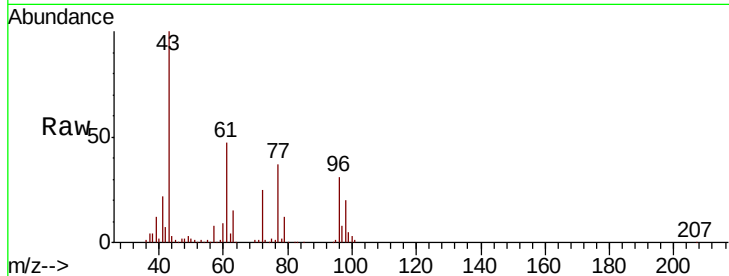
ClientSampleId :

MW-305-SRI4MSD

Tot Ion:	96	Resp:	253414
Ion	Ratio	Lower	Upper
96	100		
61	151.0	0.0	311.6
98	63.0	0.0	129.8

Manual Integrations
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#28

Bromochloromethane

Concen: 49.089 ug/l

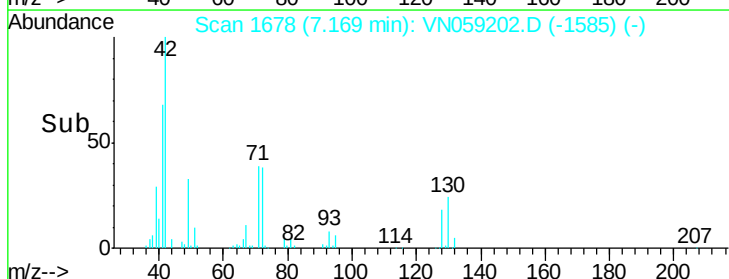
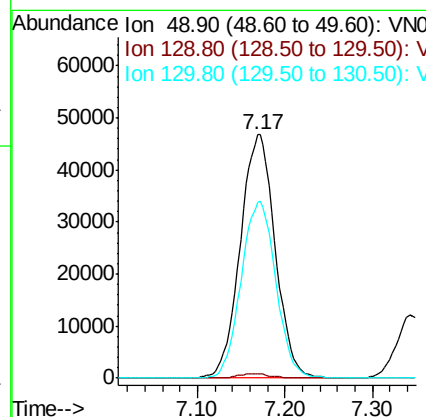
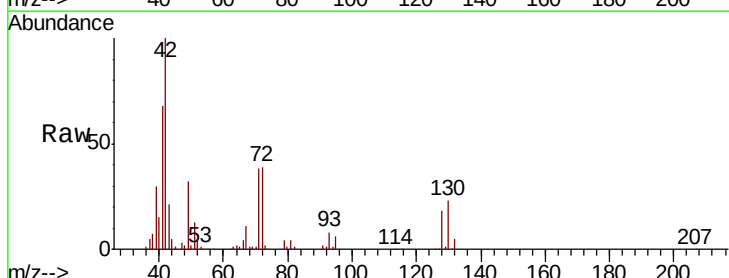
RT: 7.17 min Scan# 1678

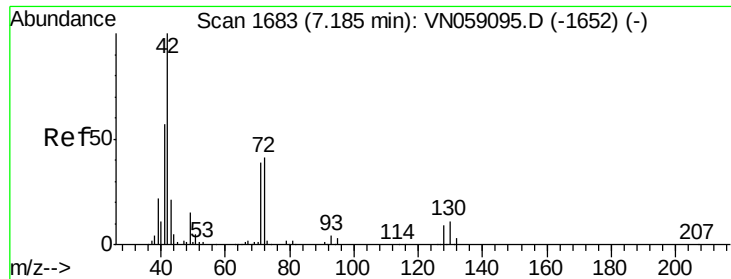
Delta R.T. -0.00 min

Lab File: VN059202.D

Acq: 12 Nov 2019 19:32

Tgt Ion:	49	Resp:	129406
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.8
130	72.0	55.6	83.4





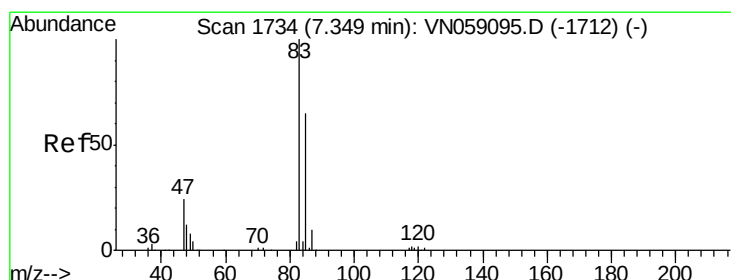
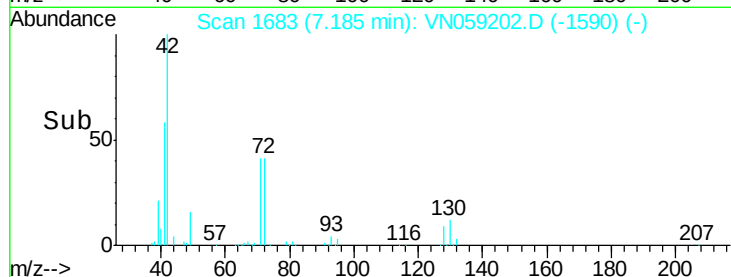
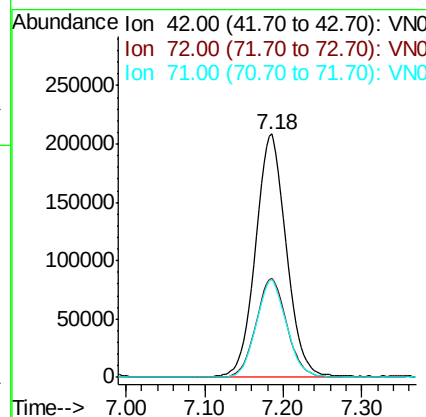
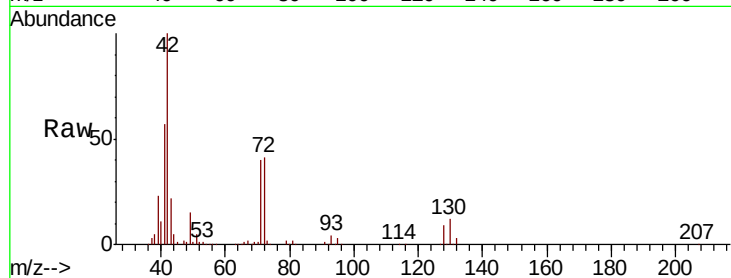
#29
Tetrahydrofuran
Concen: 249.646 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059202.D
Acq: 12 Nov 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
MW-305-SRI4MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.8	33.1	49.7
71	39.3	30.9	46.3

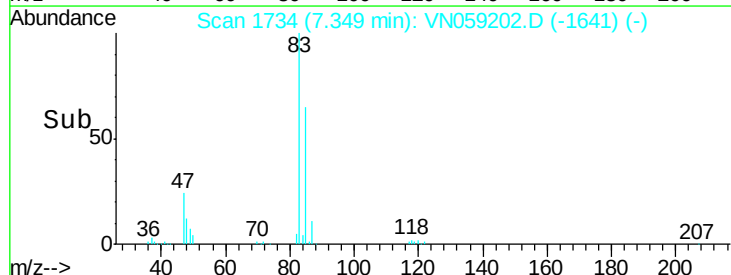
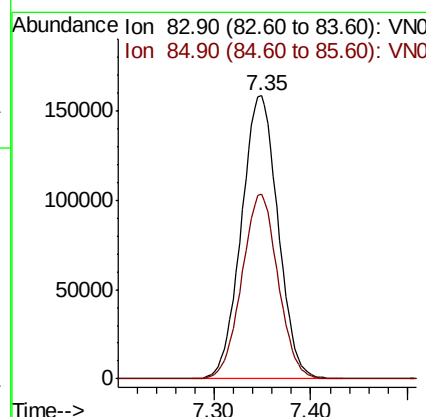
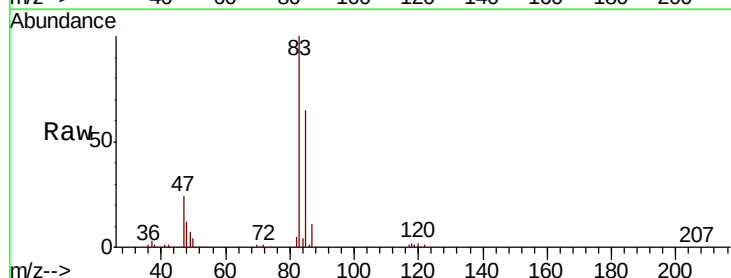
Manual Integrations
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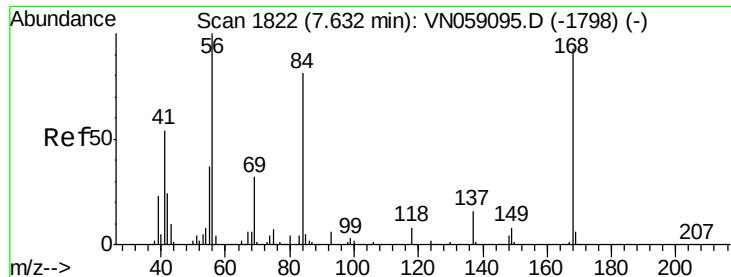
MMDadoda
11/13/2019 12:07:30 PM



#30
Chloroform
Concen: 49.551 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059202.D
Acq: 12 Nov 2019 19:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.8	77.8





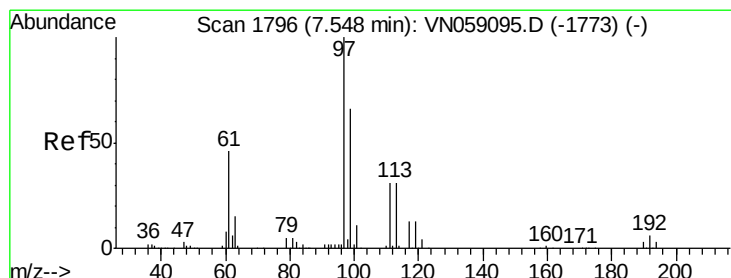
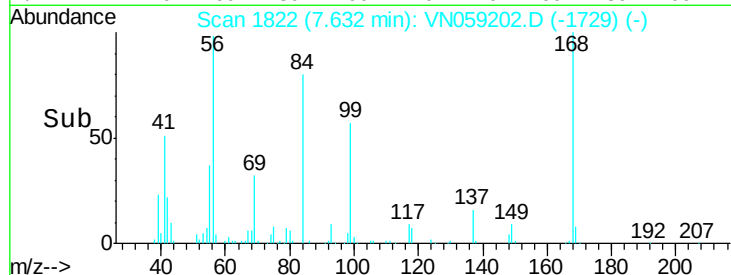
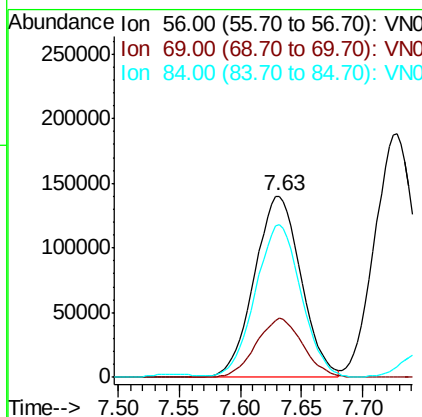
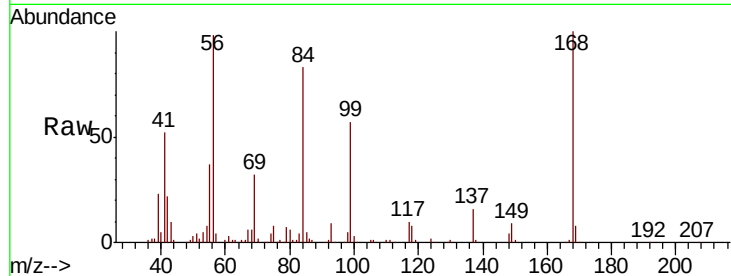
#31
Cyclohexane
Concen: 44.905 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN059202.D
Acq: 12 Nov 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
MW-305-SRI4MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.6	25.8	38.8
84	83.1	65.0	97.4

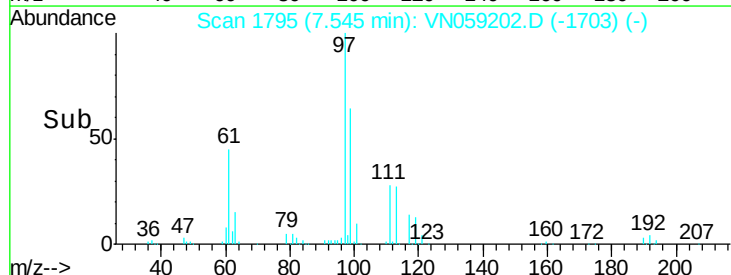
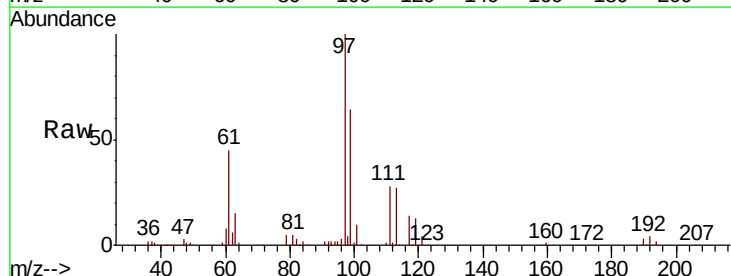
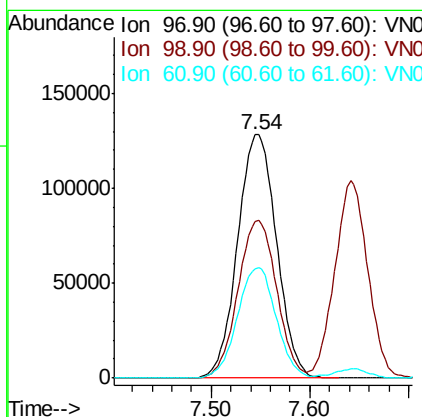
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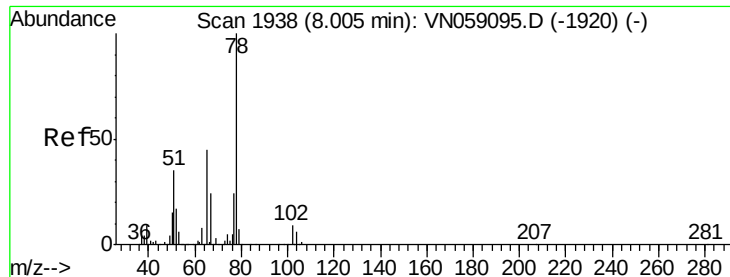
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 49.683 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059202.D
Acq: 12 Nov 2019 19:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.0	76.6
61	45.1	35.8	53.8





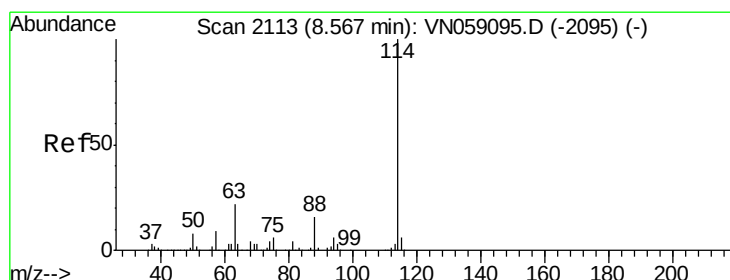
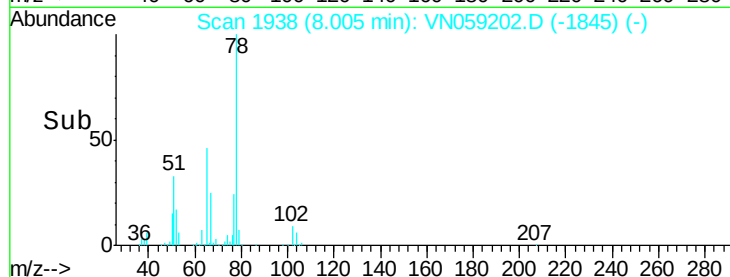
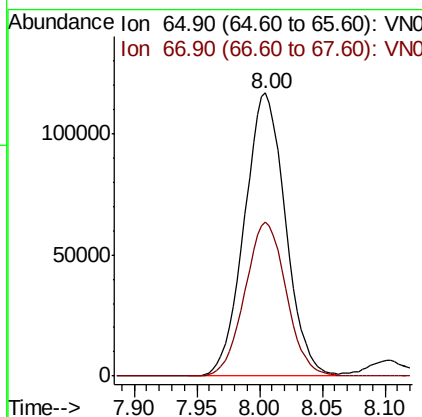
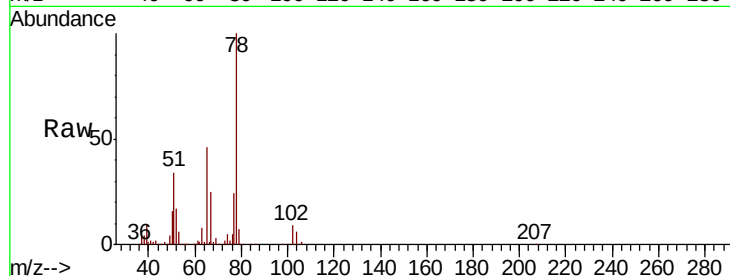
#33
 1,2-Dichloroethane-d4
 Concen: 49.968 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059202.D
 Acq: 12 Nov 2019 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-305-SRI4MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	266236		
67	54.6	0.0	107.4	

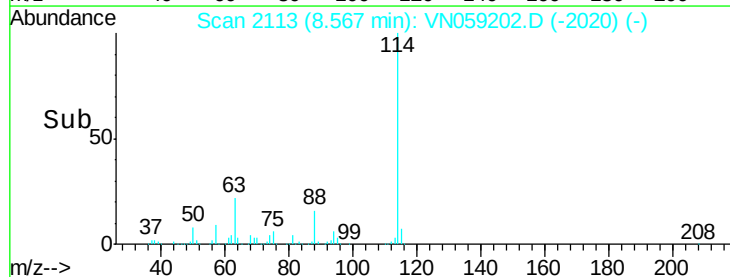
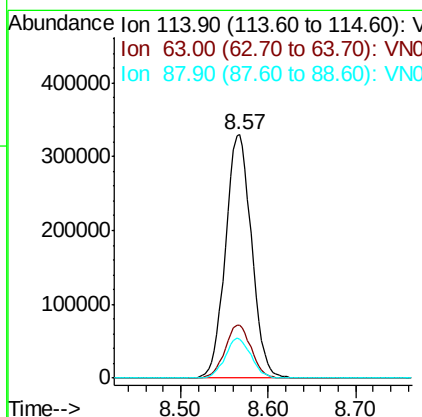
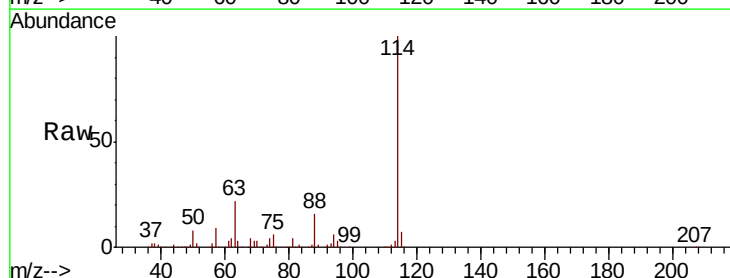
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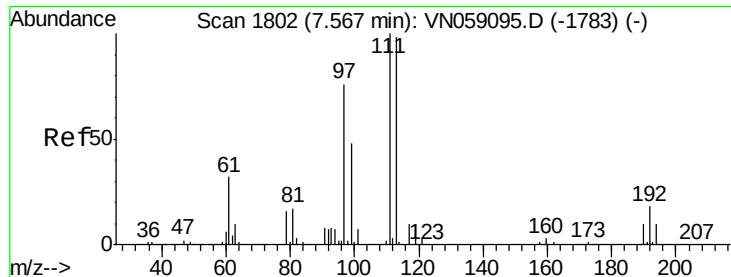
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059202.D
 Acq: 12 Nov 2019 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	681648		
63	21.9	0.0	43.4	
88	16.0	0.0	32.2	





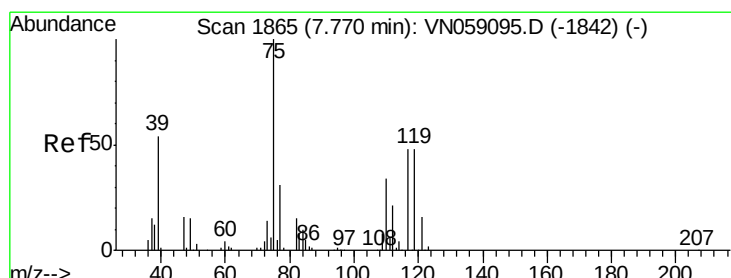
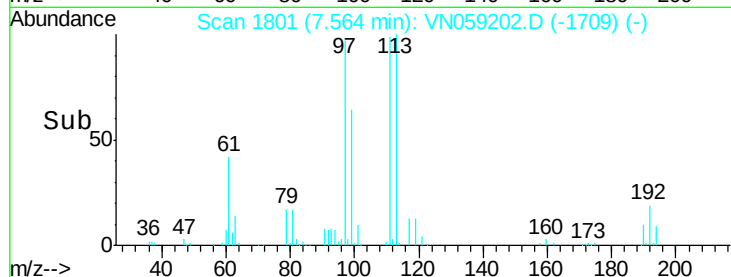
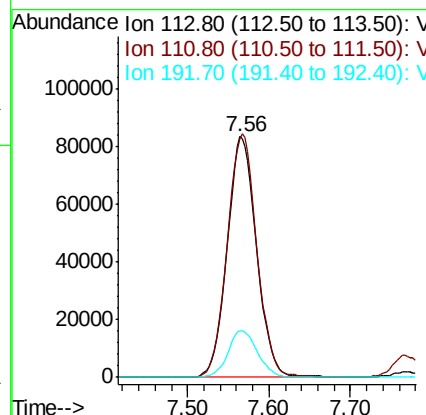
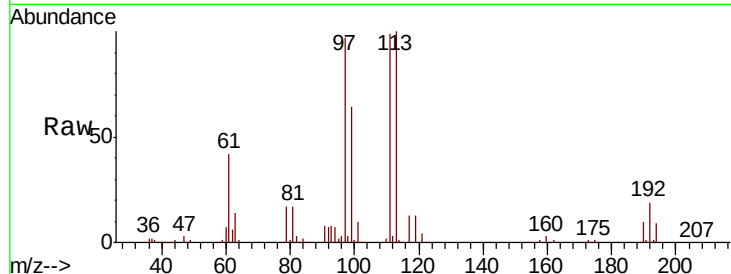
#35
 Dibromofluoromethane
 Concen: 51.802 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059202.D
 Acq: 12 Nov 2019 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-305-SRI4MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	210838		
111	102.0	82.8	124.2	
192	19.5	16.1	24.1	

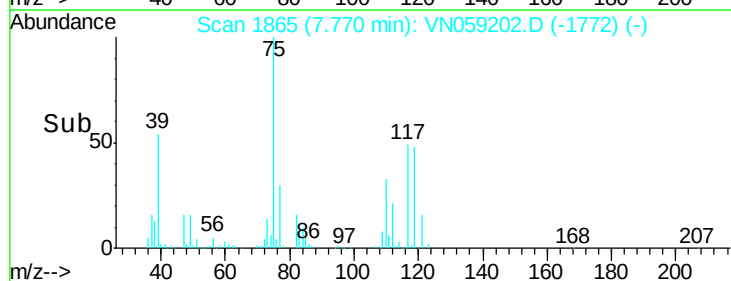
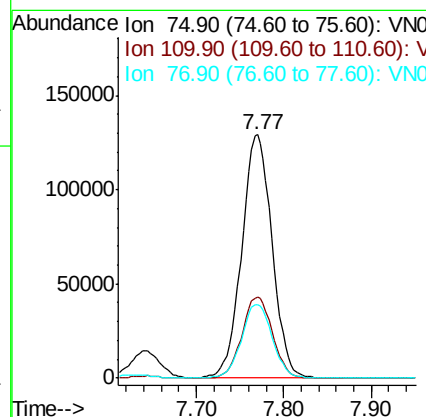
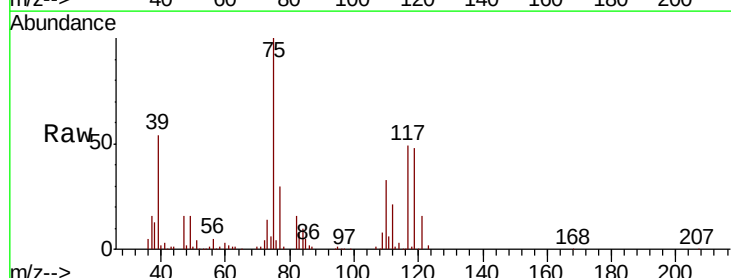
Manual Integrations
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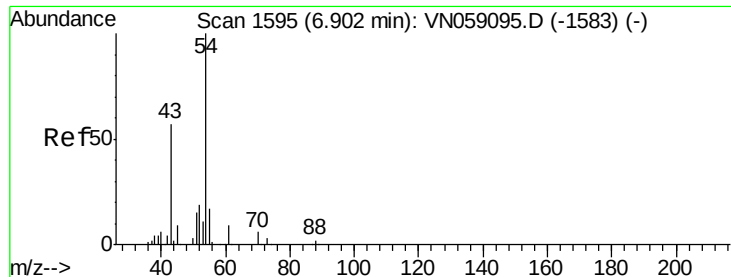
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#36
 1,1-Dichloropropene
 Concen: 48.806 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059202.D
 Acq: 12 Nov 2019 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	310966		
110	33.4	17.1	51.2	
77	30.9	24.8	37.2	





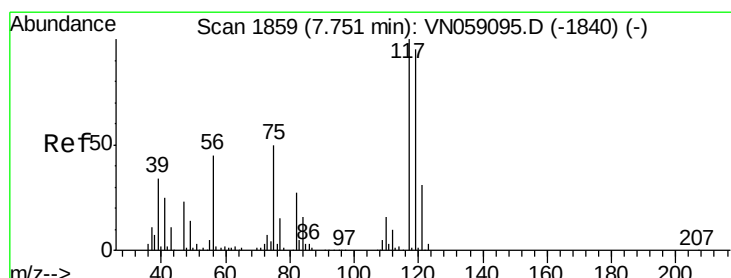
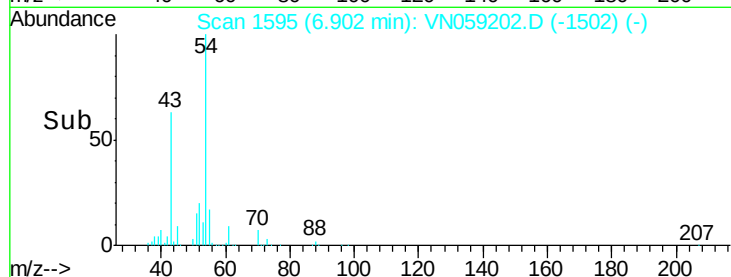
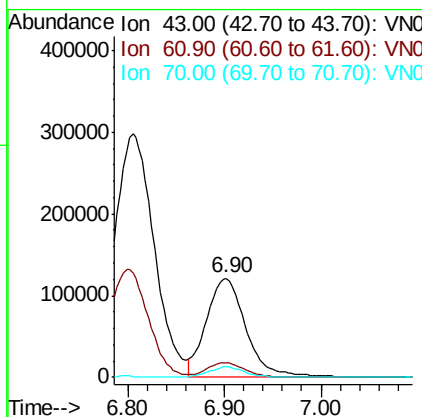
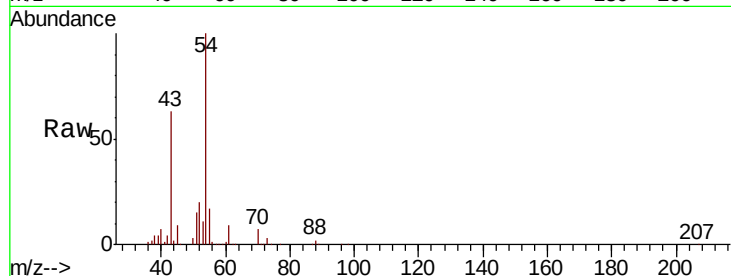
#37
Ethyl Acetate
Concen: 47.663 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN059202.D
Acq: 12 Nov 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
MW-305-SRI4MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.2	16.8
70	10.0	7.8	11.8

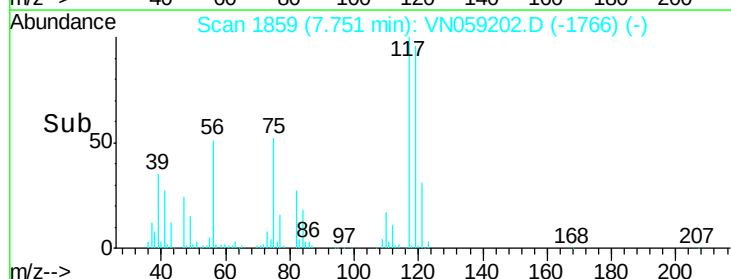
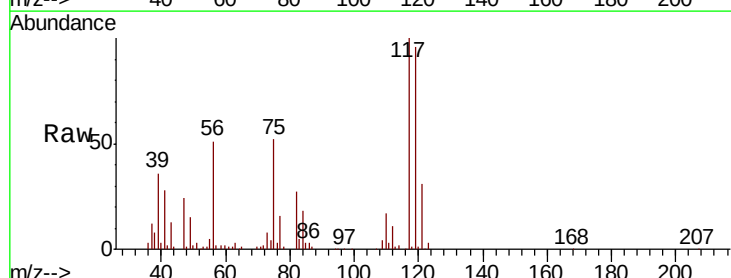
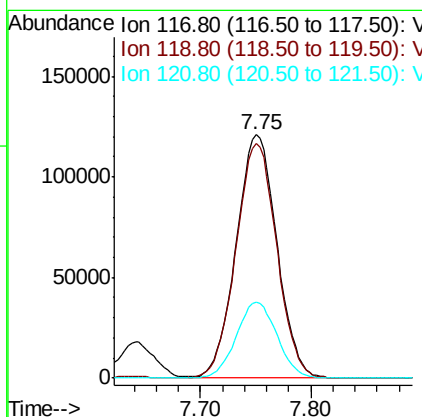
Manual Integrations
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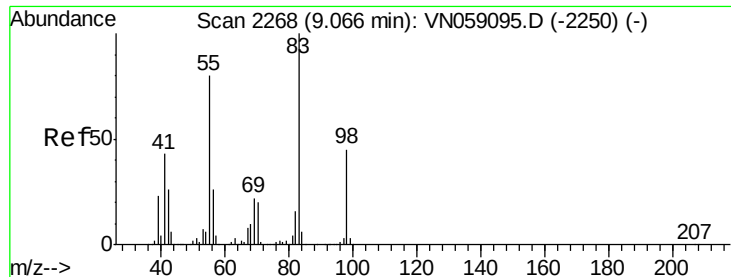
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#38
Carbon Tetrachloride
Concen: 48.842 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059202.D
Acq: 12 Nov 2019 19:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	75.6	113.4
121	31.2	24.6	36.8





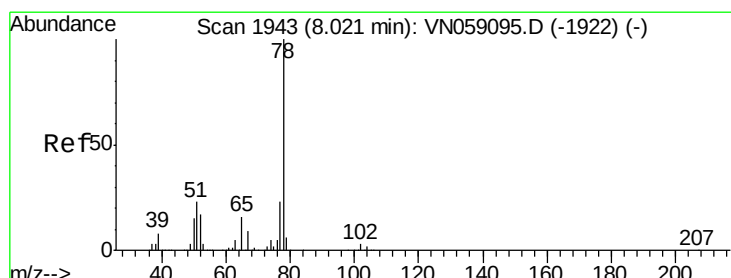
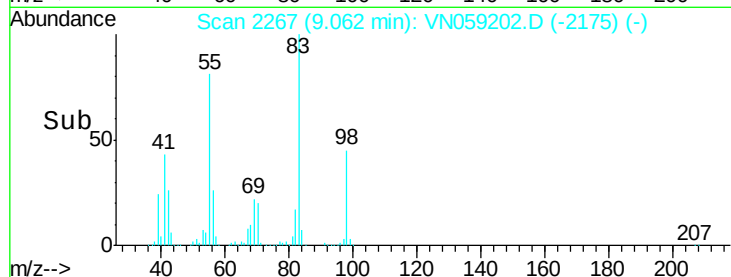
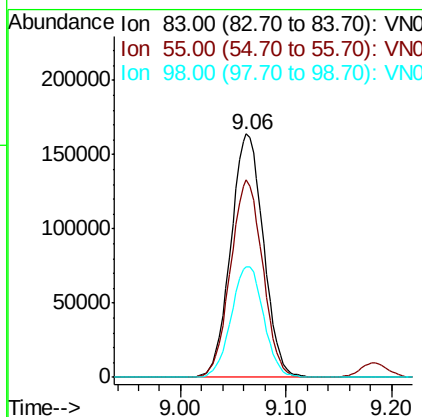
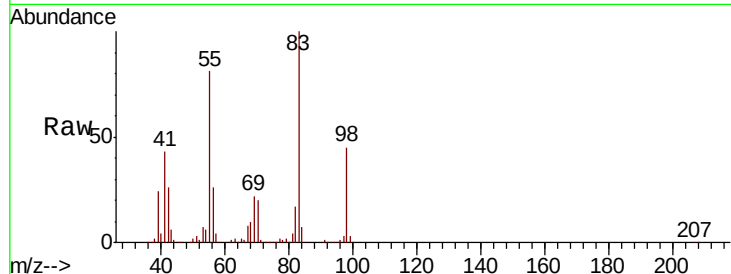
#39
Methylvlcyclohexane
Concen: 47.407 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059202.D
Acq: 12 Nov 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
MW-305-SRI4MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	80.9	63.9	95.9	
98	45.5	35.6	53.4	

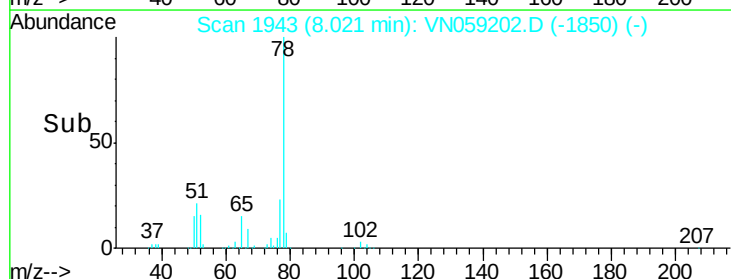
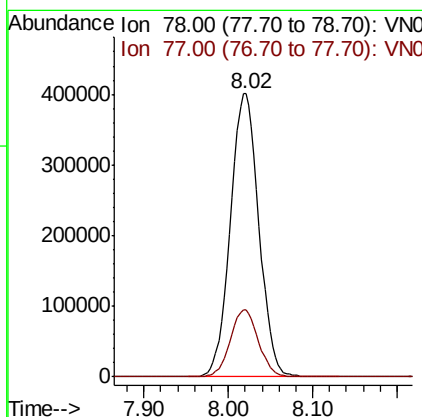
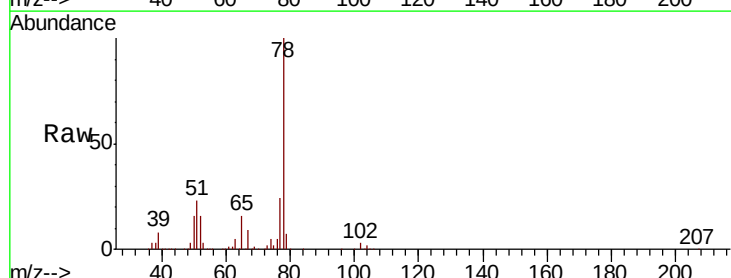
Manual Integrations
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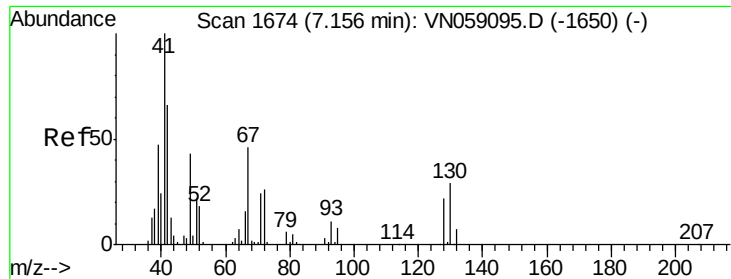
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#40
Benzene
Concen: 49.050 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059202.D
Acq: 12 Nov 2019 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.5	18.8	28.2	





#41

Methacrylonitrile

Concen: 51.276 ug/l m

RT: 7.15 min Scan# 1673

Delta R.T. -0.00 min

Lab File: VN059202.D

Acq: 12 Nov 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

MW-305-SRI4MSD

Tot Ion: 41 Resp: 158043

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

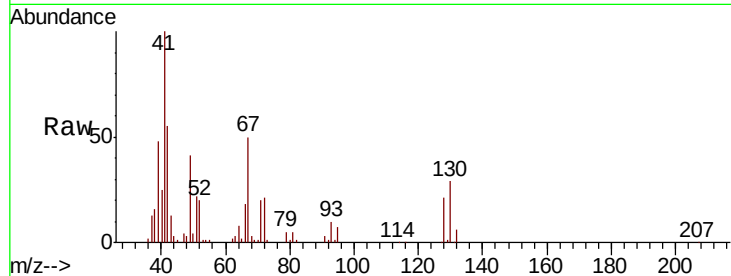
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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11/13/2019 12:07:30 PM

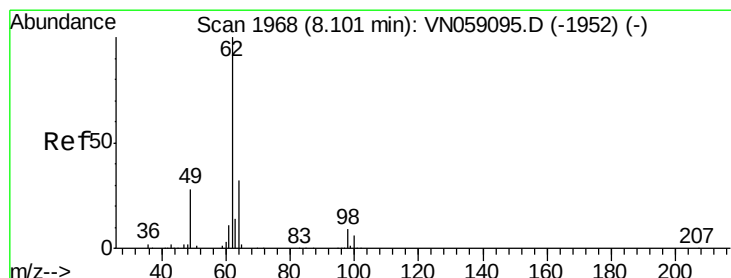
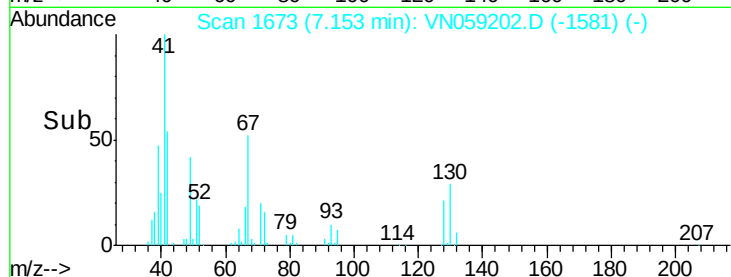
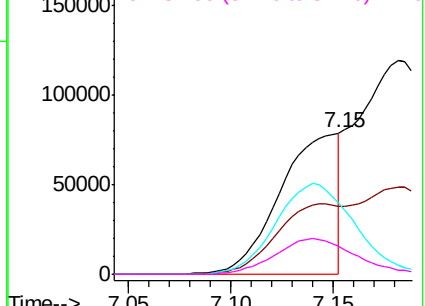


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 49.765 ug/l

RT: 8.10 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VN059202.D

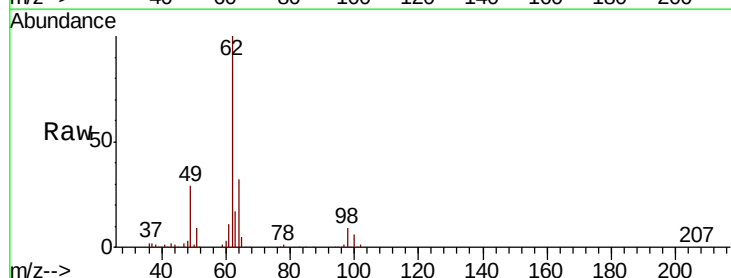
Acq: 12 Nov 2019 19:32

Tgt Ion: 62 Resp: 327480

Ion Ratio Lower Upper

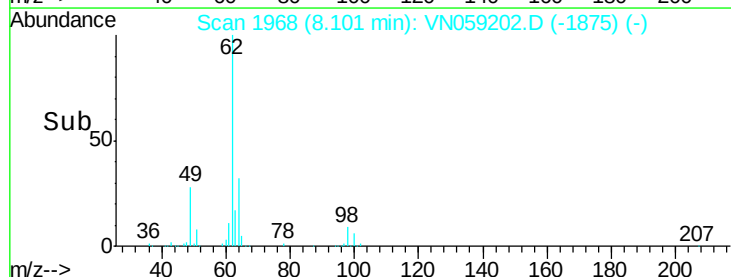
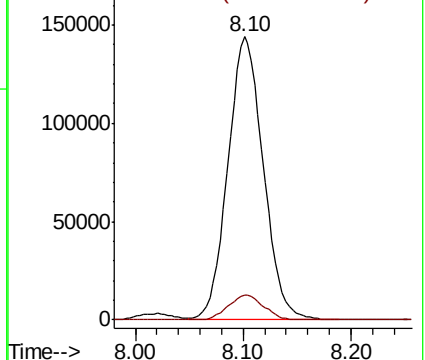
62 100

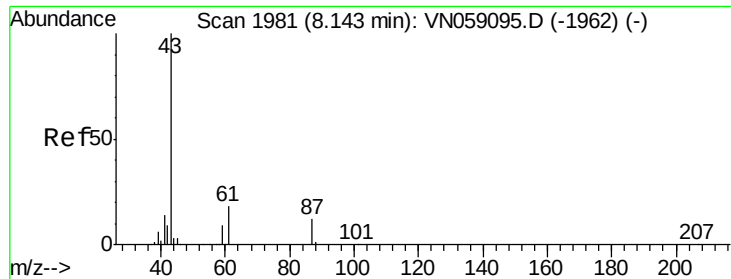
98 8.8 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 48.540 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VN059202.D

Acq: 12 Nov 2019 19:32

Instrument :

MSVOA_N

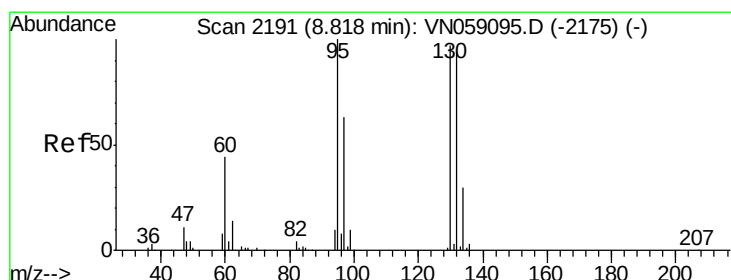
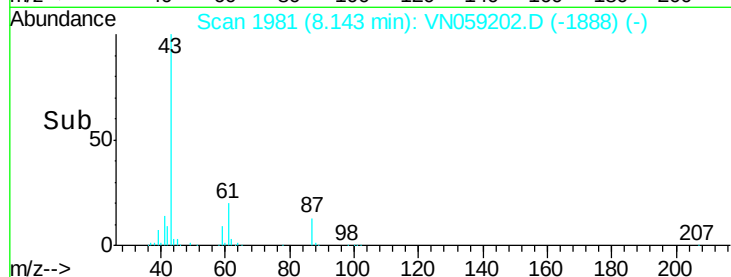
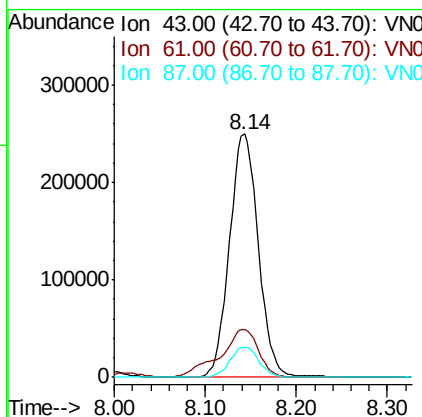
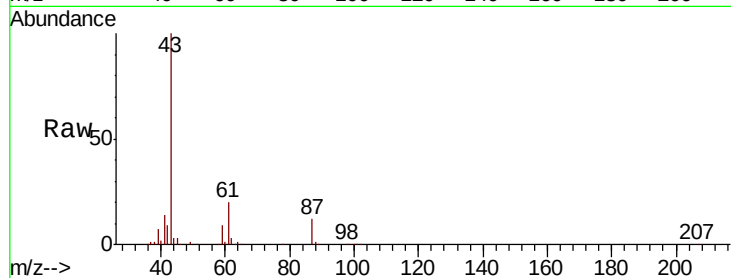
ClientSampleId :

MW-305-SRI4MSD

Tot Ion:	43	Resp:	548501
Ion Ratio	Lower	Upper	
43	100		
61	26.3	21.0	31.6
87	12.6	9.8	14.6

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#44

Trichloroethene

Concen: 50.058 ug/l

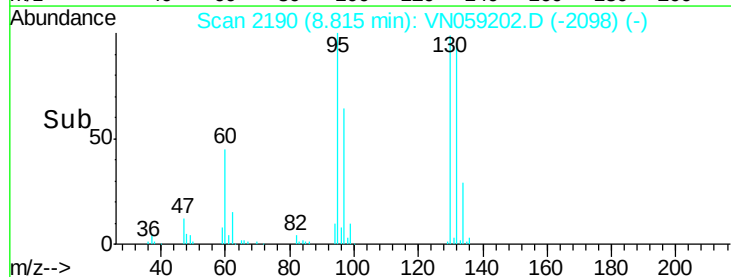
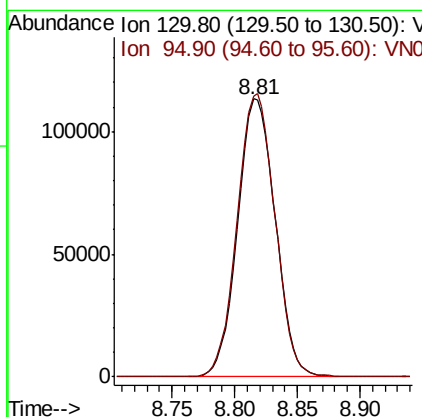
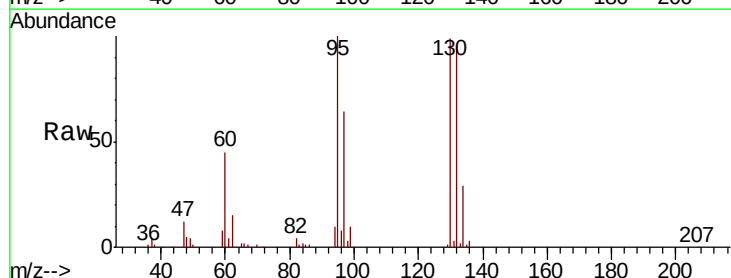
RT: 8.81 min Scan# 2190

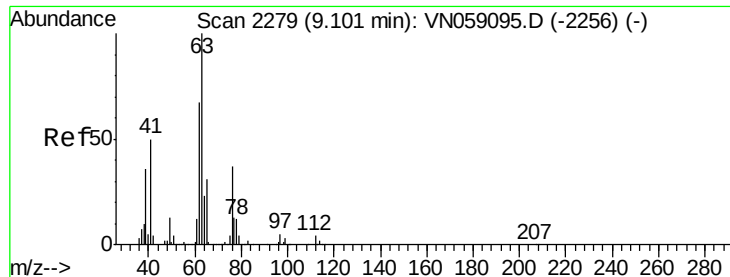
Delta R.T. -0.00 min

Lab File: VN059202.D

Acq: 12 Nov 2019 19:32

Tgt Ion:	130	Resp:	236095
Ion Ratio	Lower	Upper	
130	100		
95	101.3	0.0	206.4





#45

1,2-Dichloropropane

Concen: 49.728 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059202.D

Acq: 12 Nov 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

MW-305-SRI4MSD

Tot Ion: 63 Resp: 259155

Ion Ratio Lower Upper

63 100

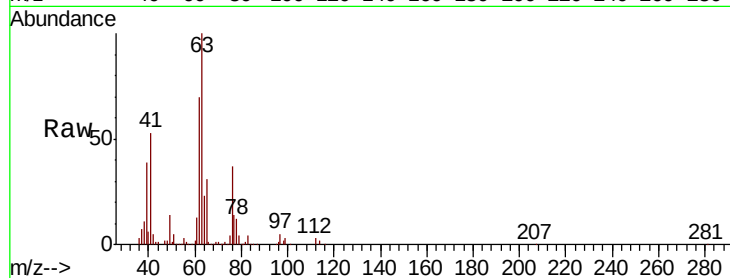
65 31.3 24.6 37.0

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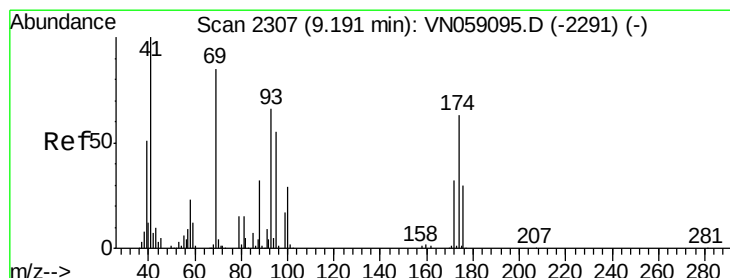
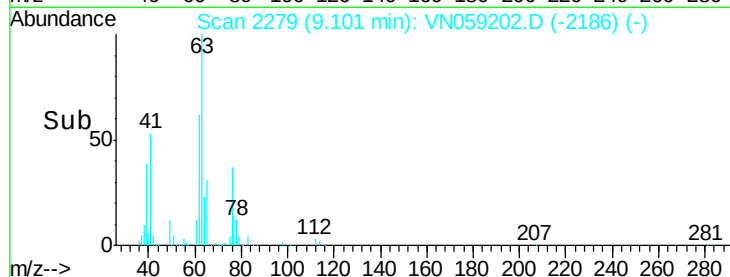
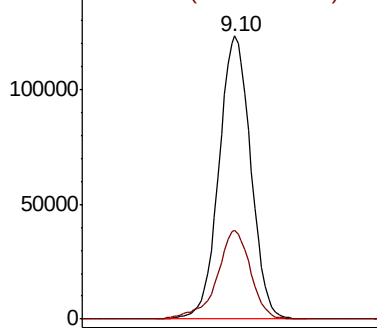
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 48.969 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN059202.D

Acq: 12 Nov 2019 19:32

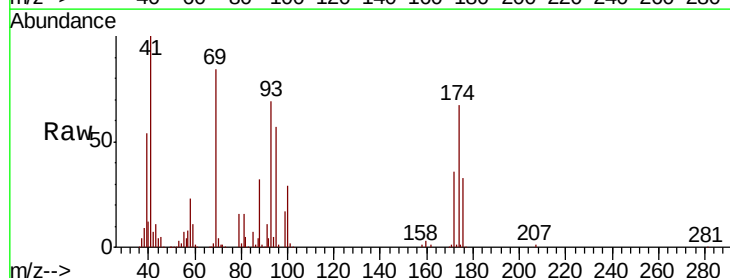
Tgt Ion: 93 Resp: 159027

Ion Ratio Lower Upper

93 100

95 82.1 66.6 100.0

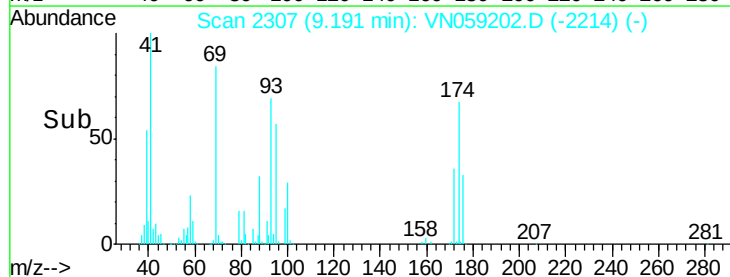
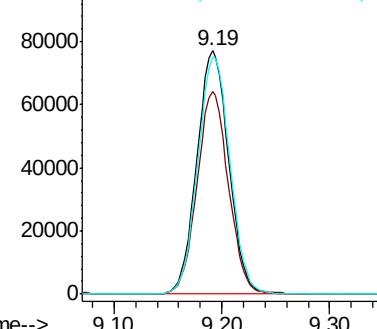
174 98.3 78.2 117.2

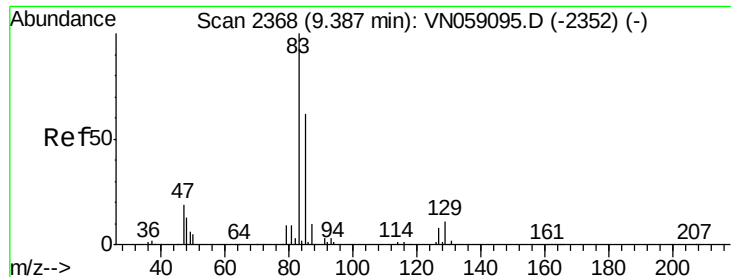


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.723 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059202.D

Acq: 12 Nov 2019 19:32

Instrument :

MSVOA_N

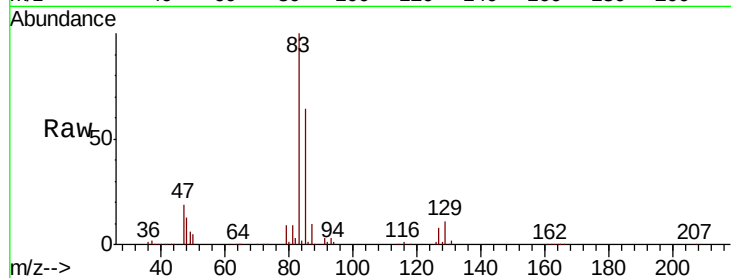
ClientSampleId :

MW-305-SRI4MSD

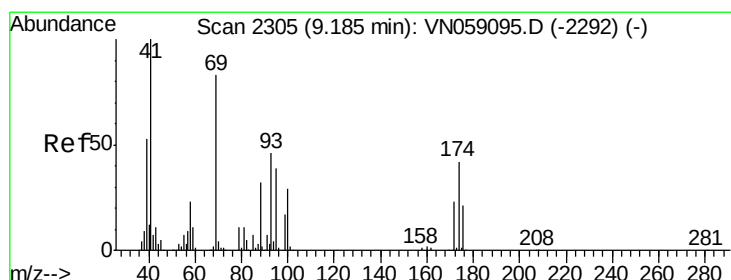
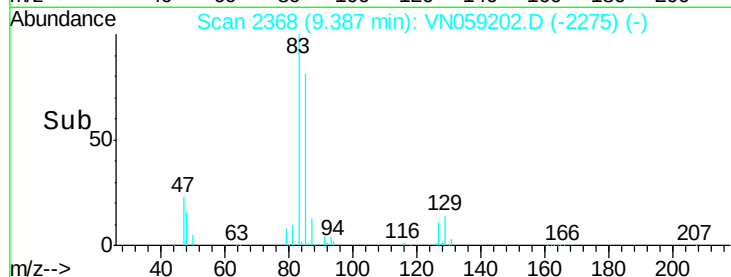
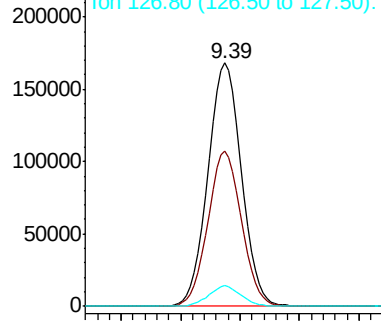
Tot Ion:	83	Resp:	328926
Ion Ratio	Lower	Upper	
83	100		
85	64.0	49.7	74.5
127	8.3	6.4	9.6

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Abundance Ion 82.90 (82.60 to 83.60): VN059202.D (-2275) (-)



#48

Methyl methacrylate

Concen: 49.891 ug/l

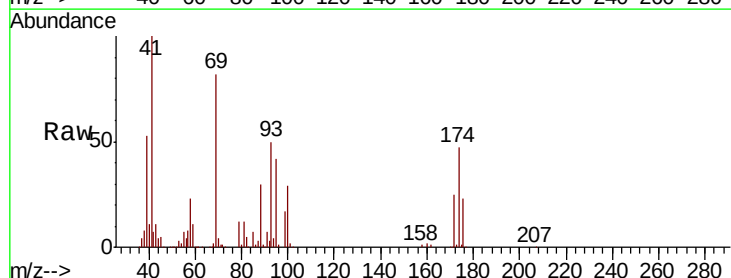
RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

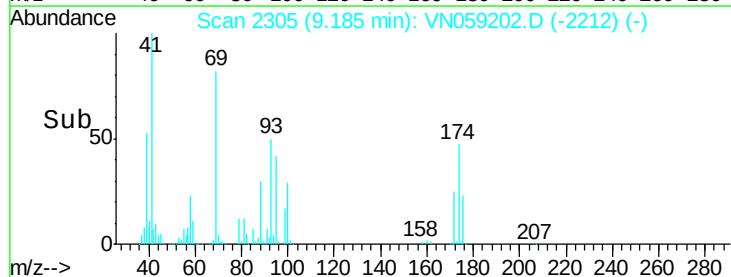
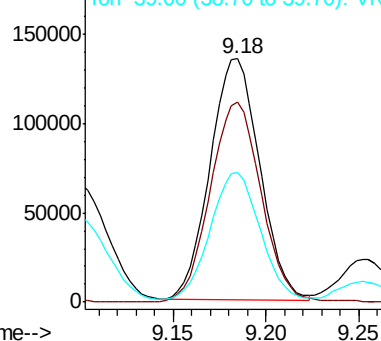
Lab File: VN059202.D

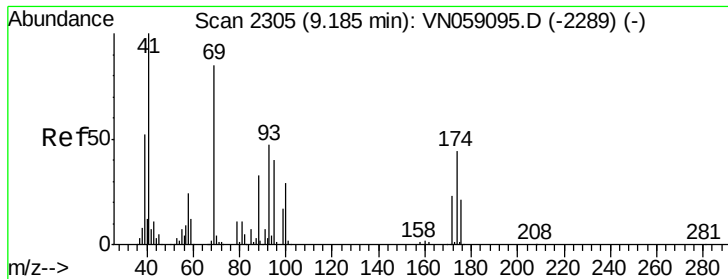
Acq: 12 Nov 2019 19:32

Tgt Ion:	41	Resp:	252176
Ion Ratio	Lower	Upper	
41	100		
69	85.2	67.3	100.9
39	54.8	43.3	64.9



Abundance Ion 41.00 (40.70 to 41.70): VN059202.D (-2212) (-)





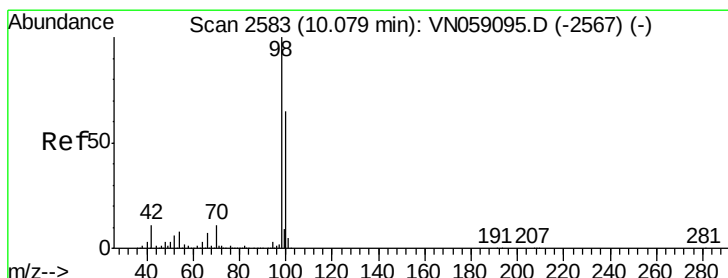
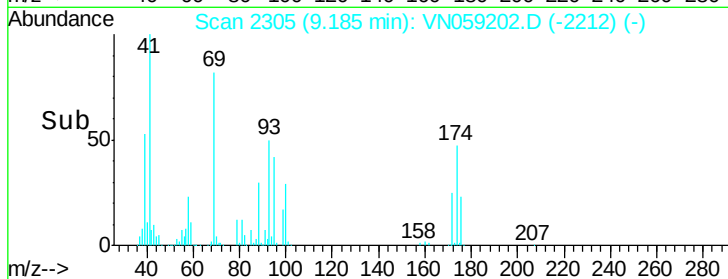
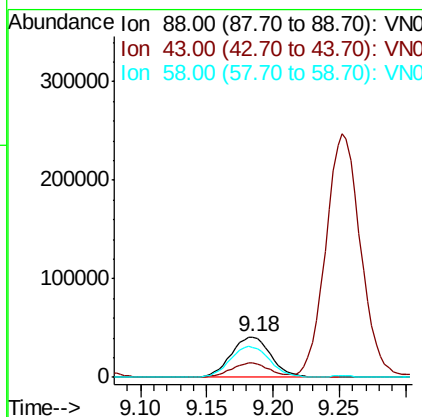
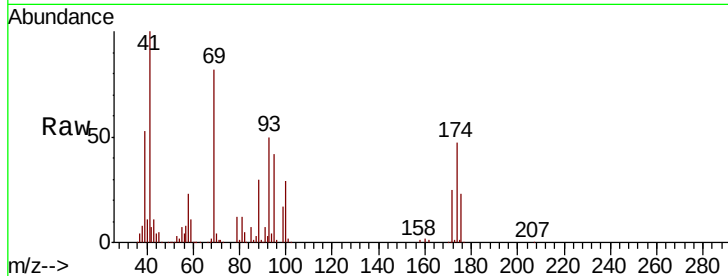
#49
1,4-Dioxane
Concen: 963.821 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059202.D
Acq: 12 Nov 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
MW-305-SRI4MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.5	26.3	39.5
58	75.2	60.6	90.8

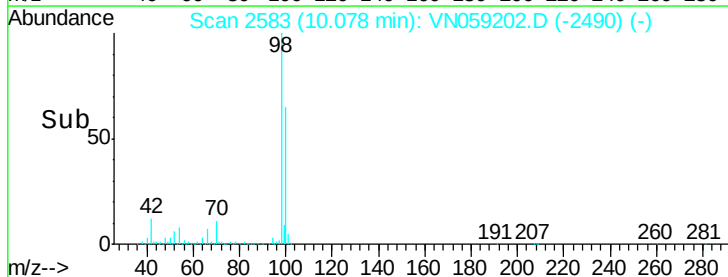
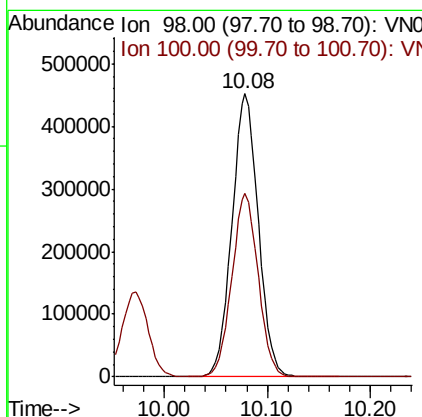
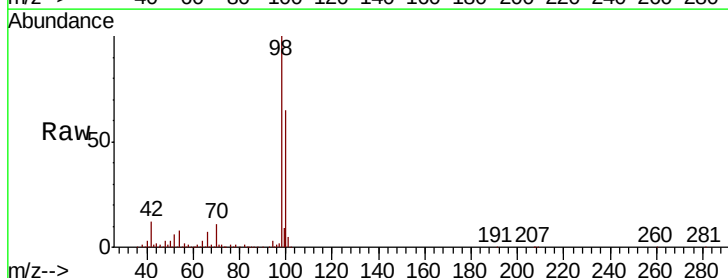
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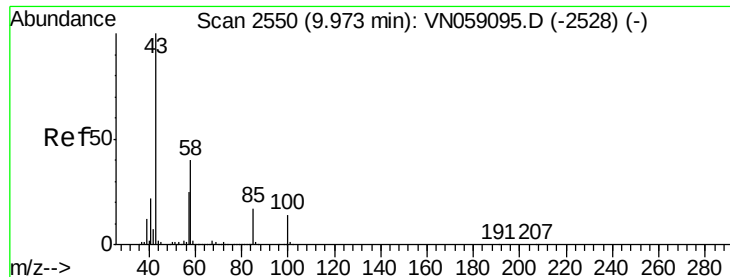
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#50
Toluene-d8
Concen: 50.224 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059202.D
Acq: 12 Nov 2019 19:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.2	78.2





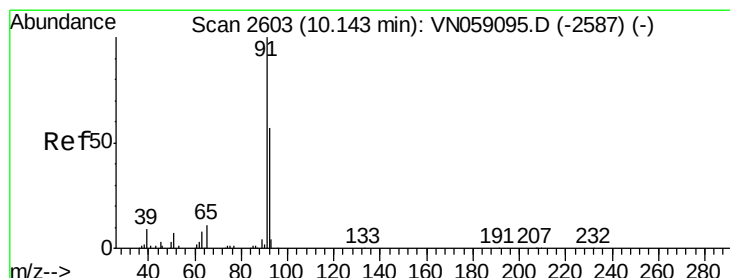
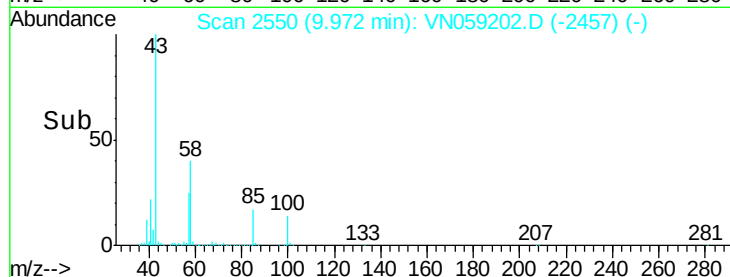
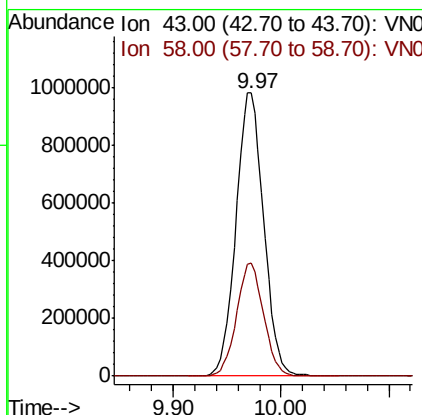
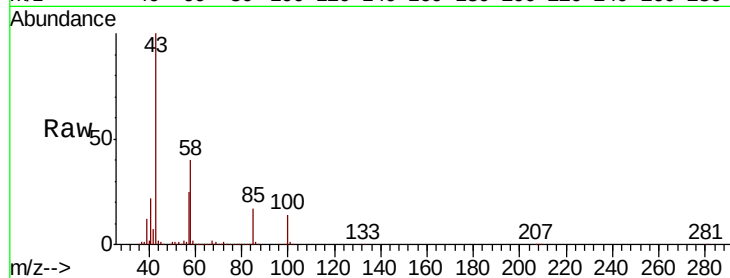
#51
4-Methyl-2-Pentanone
Concen: 274.859 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VN059202.D
Acq: 12 Nov 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
MW-305-SRI4MSD

Tot Ion: 43 Resp: 1757413
Ion Ratio Lower Upper
43 100
58 39.0 31.5 47.3

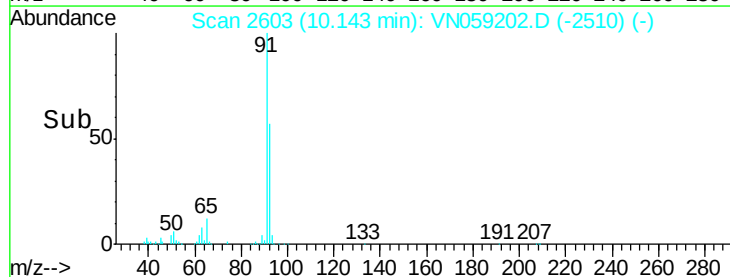
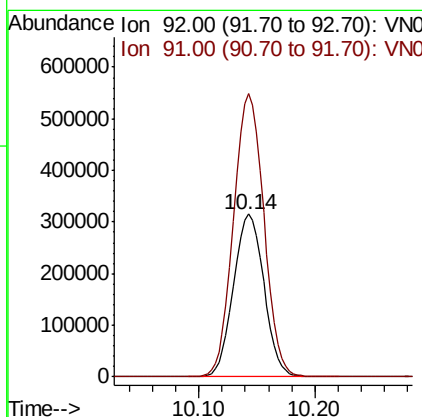
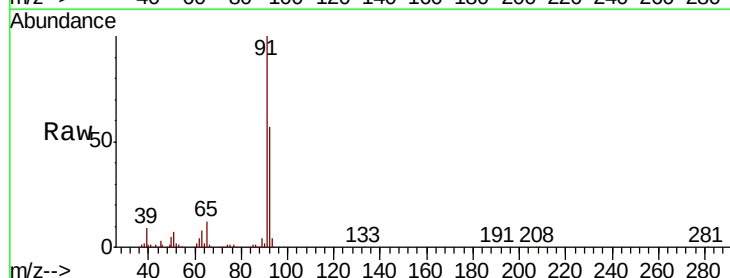
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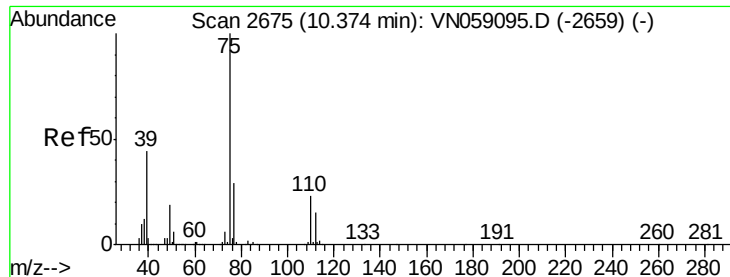
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#52
Toluene
Concen: 49.910 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VN059202.D
Acq: 12 Nov 2019 19:32

Tgt Ion: 92 Resp: 573962
Ion Ratio Lower Upper
92 100
91 173.8 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 49.209 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN059202.D

Acq: 12 Nov 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

MW-305-SRI4MSD

Tot Ion: 75 Resp: 368671

Ion Ratio Lower Upper

75 100

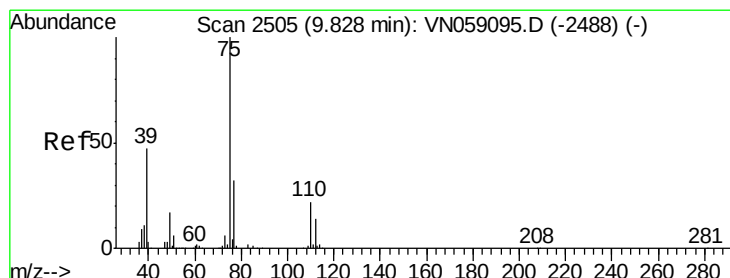
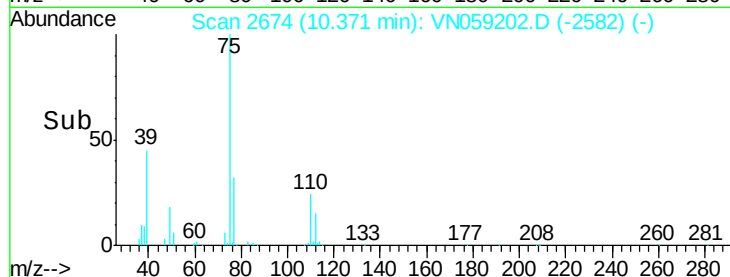
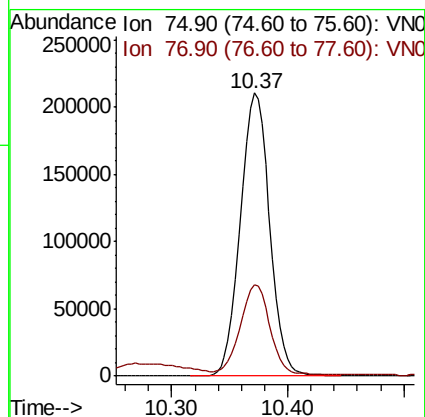
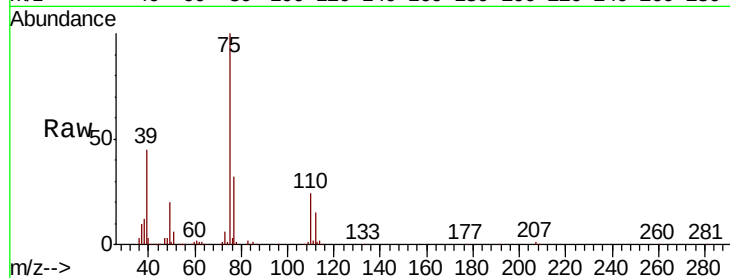
77 31.7 25.3 37.9

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#54

cis-1,3-Dichloropropene

Concen: 48.212 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN059202.D

Acq: 12 Nov 2019 19:32

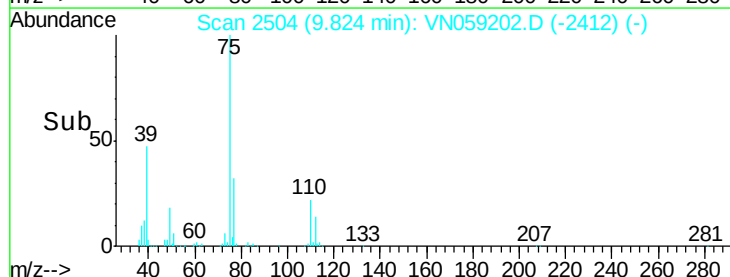
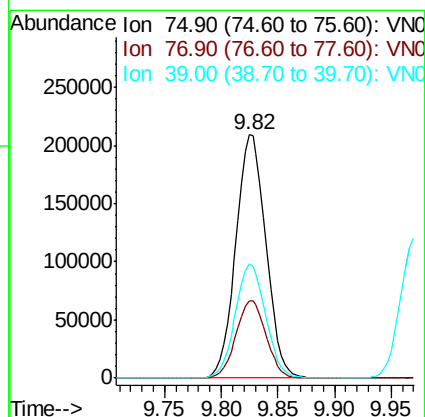
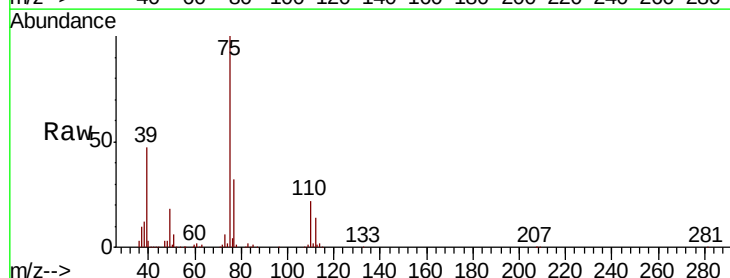
Tgt Ion: 75 Resp: 388533

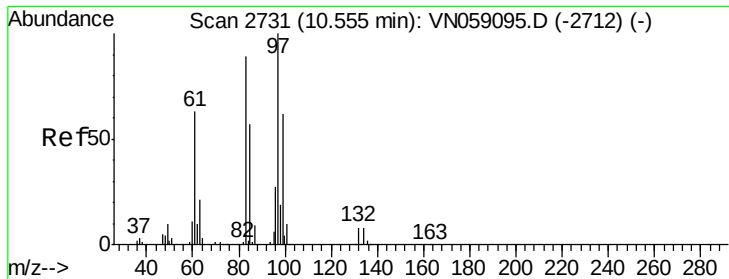
Ion Ratio Lower Upper

75 100

77 31.7 25.5 38.3

39 46.7 37.3 55.9





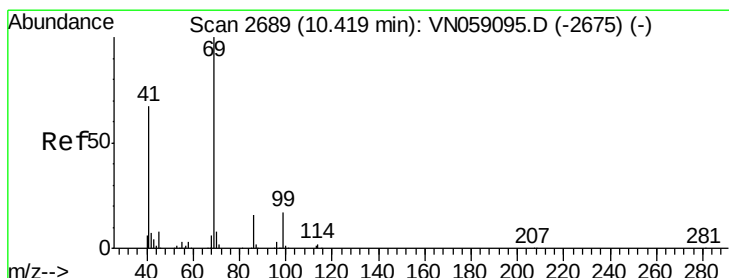
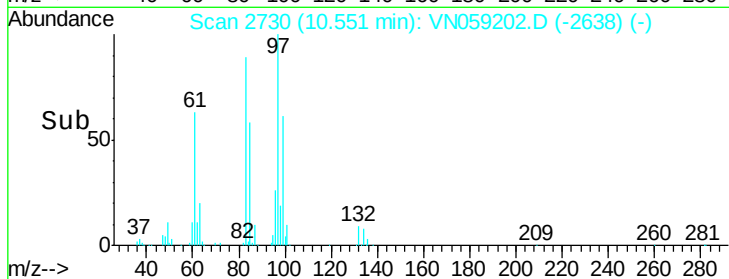
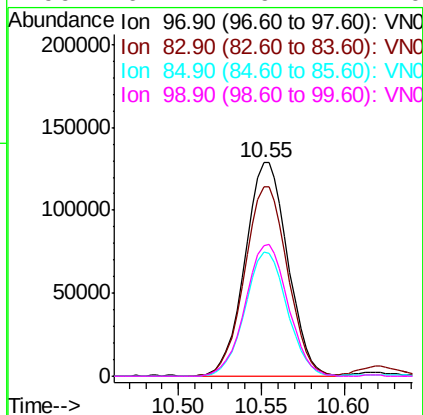
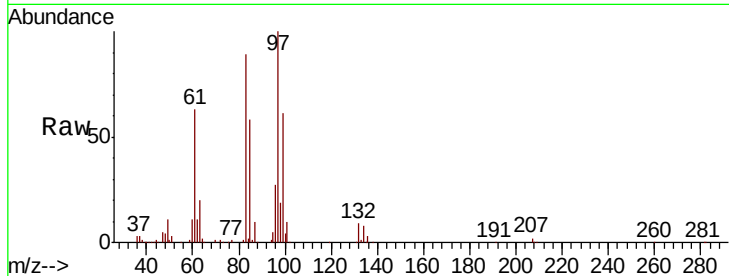
#55
 1,1,2-Trichloroethane
 Concen: 49.420 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN059202.D
 Acq: 12 Nov 2019 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-305-SRI4MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		230007		
83	89.1	71.0	106.4		
85	58.0	45.8	68.8		
99	61.4	49.4	74.0		

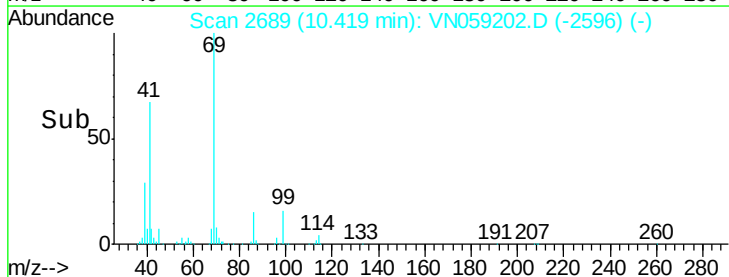
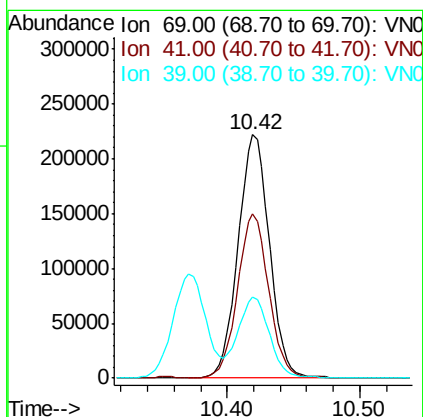
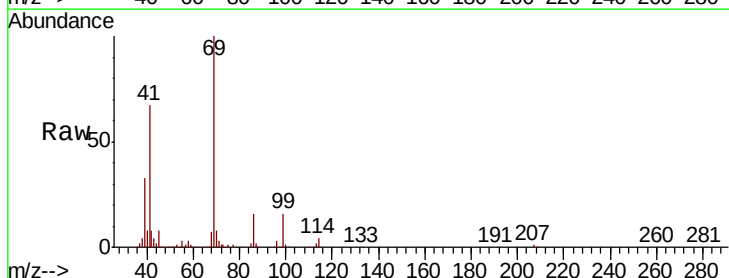
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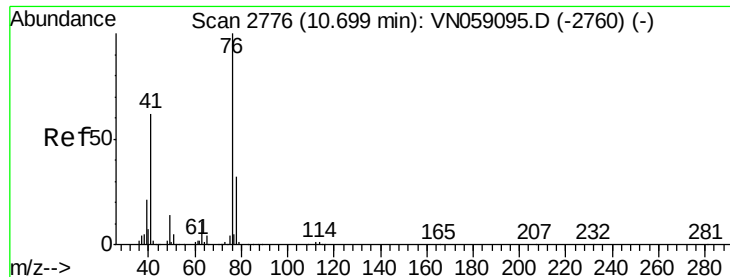
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#56
 Ethyl methacrylate
 Concen: 47.048 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059202.D
 Acq: 12 Nov 2019 19:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		364321		
41	66.4	53.6	80.4		
39	33.2	26.2	39.4		





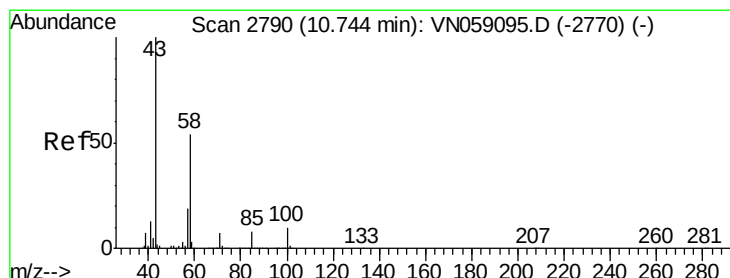
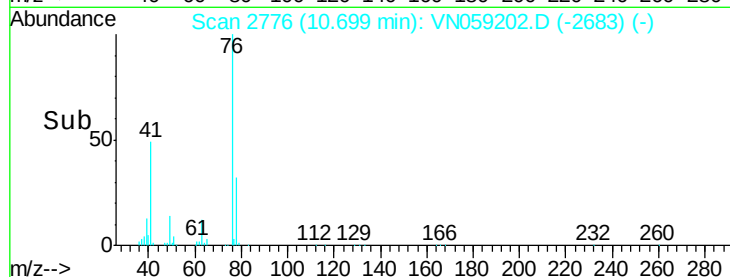
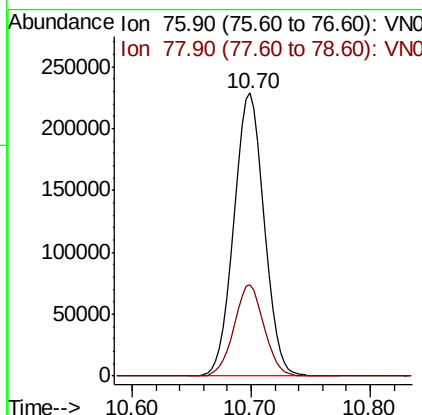
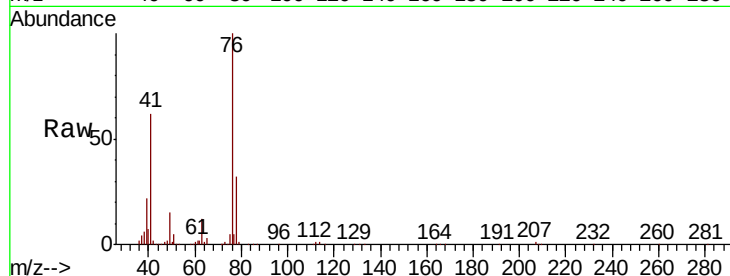
#57
 1,3-Dichloropropane
 Concen: 50.390 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. -0.00 min
 Lab File: VN059202.D
 Acq: 12 Nov 2019 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-305-SRI4MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.8

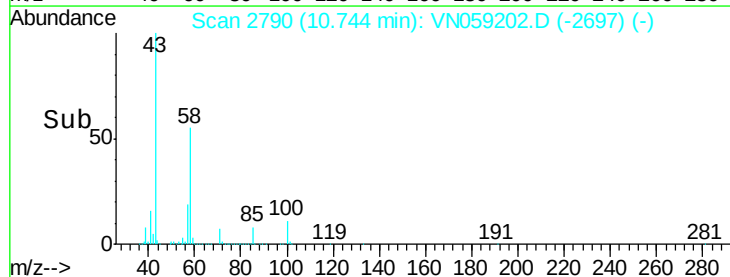
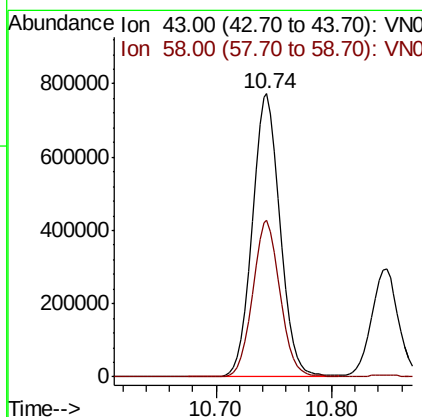
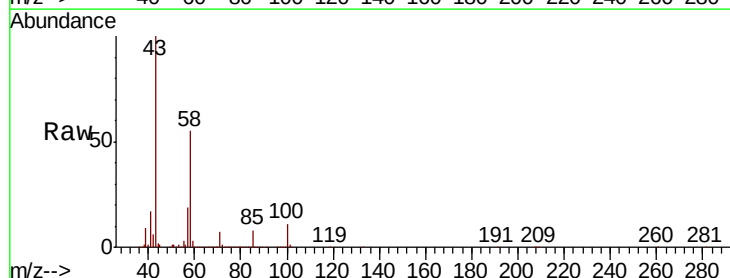
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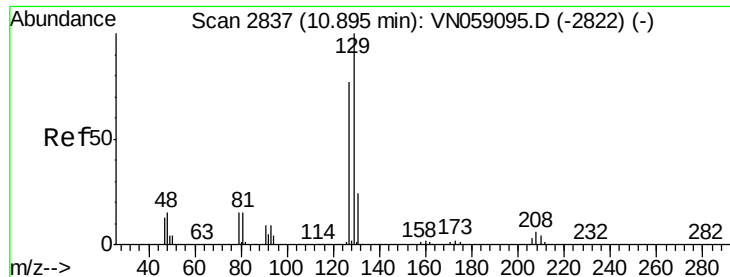
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#59
 2-Hexanone
 Concen: 263.697 ug/l
 RT: 10.74 min Scan# 2790
 Delta R.T. -0.00 min
 Lab File: VN059202.D
 Acq: 12 Nov 2019 19:32

Tgt Ion	Ratio	Lower	Upper
43	100		
58	54.7	27.3	81.8





#60

Dibromochloromethane

Concen: 51.152 ug/l

RT: 10.89 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN059202.D

Acq: 12 Nov 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

MW-305-SRI4MSD

Tot Ion:129 Resp: 251703

Ion Ratio Lower Upper

129 100

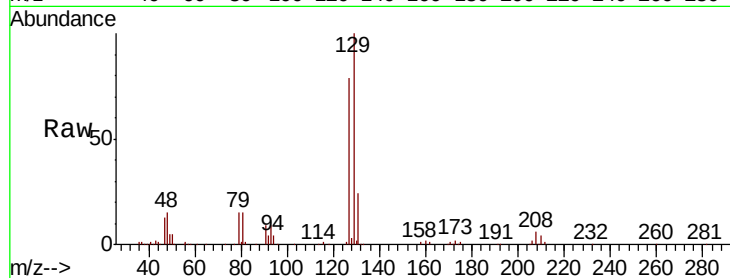
127 78.2 38.6 115.8

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.89

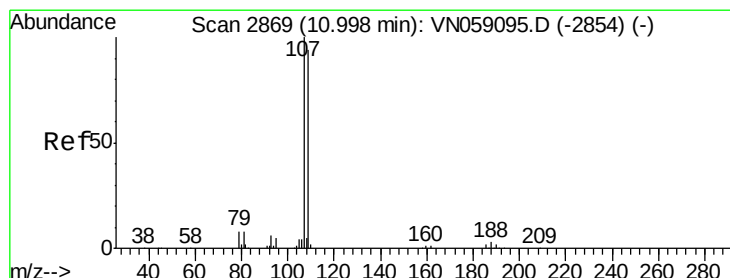
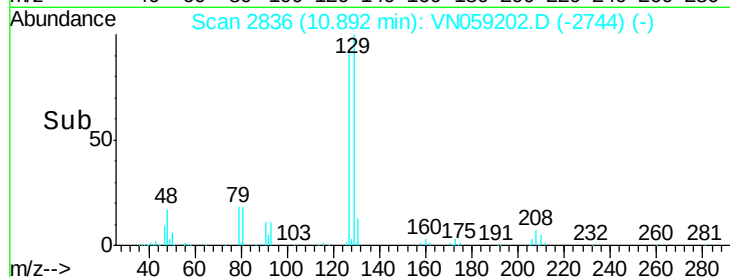
150000

100000

50000

0

Time--> 10.80 10.90 11.00



#61

1,2-Dibromoethane

Concen: 50.603 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VN059202.D

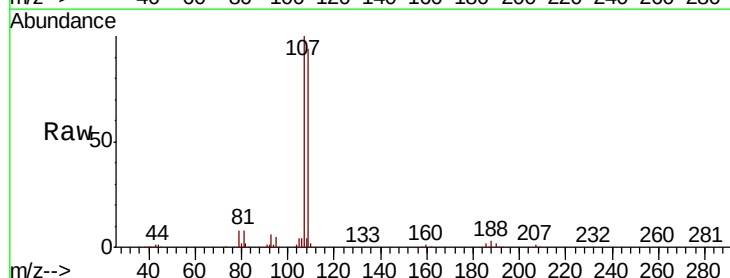
Acq: 12 Nov 2019 19:32

Tgt Ion:107 Resp: 238411

Ion Ratio Lower Upper

107 100

109 94.1 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

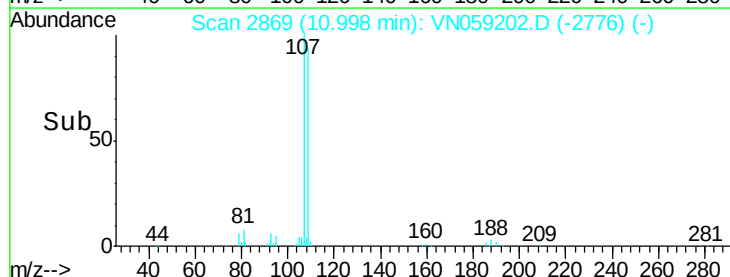
150000

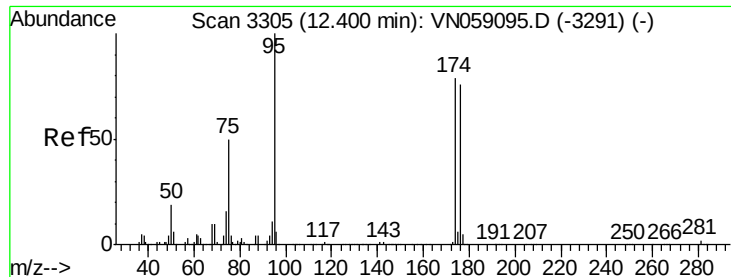
100000

50000

0

Time--> 10.90 11.00 11.10





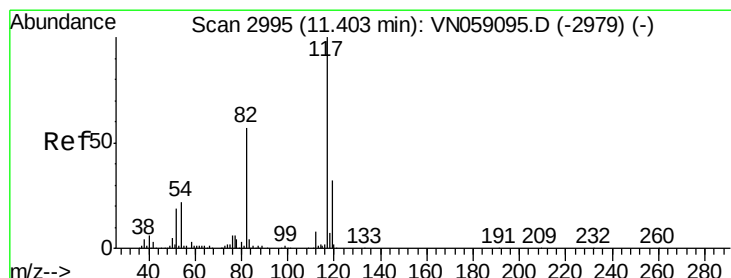
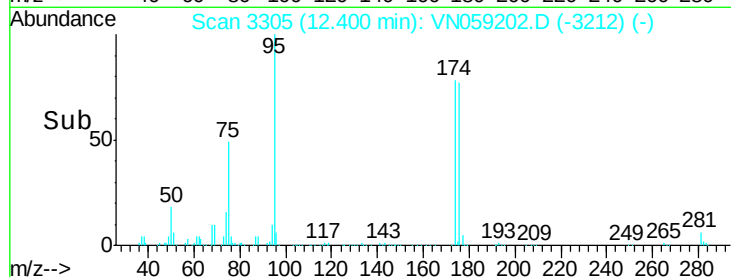
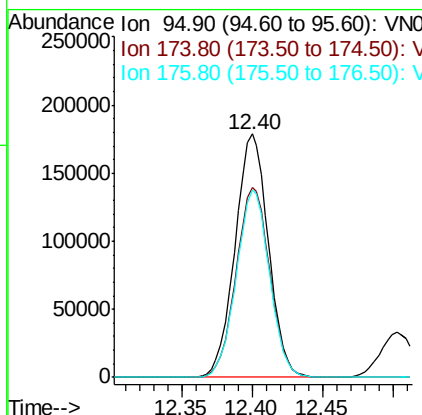
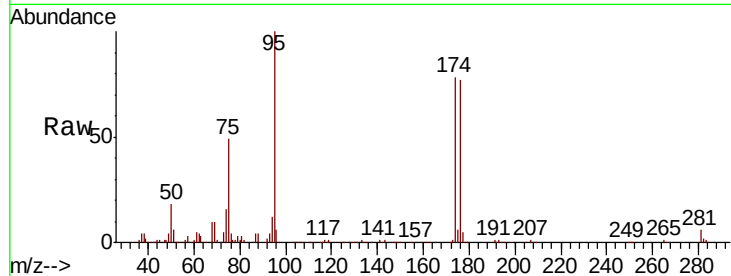
#62
4-Bromofluorobenzene
Concen: 51.228 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN059202.D
Acq: 12 Nov 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
MW-305-SRI4MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	296123		
174	79.1	0.0	158.2	
176	76.7	0.0	151.8	

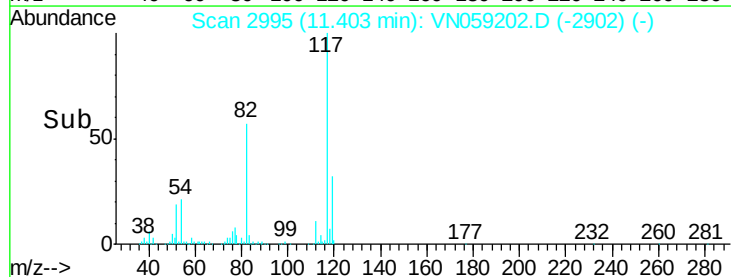
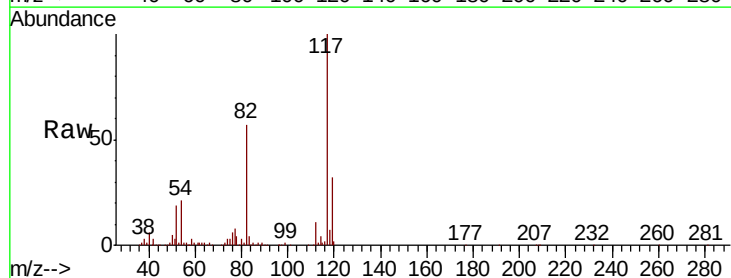
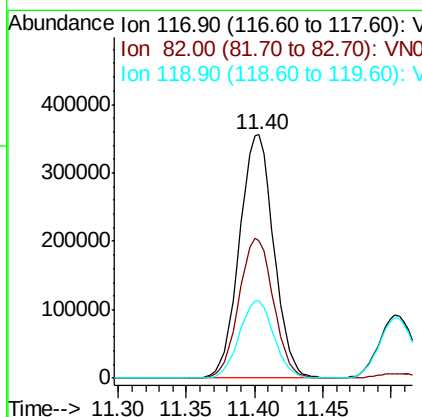
Manual Integrations
APPROVED

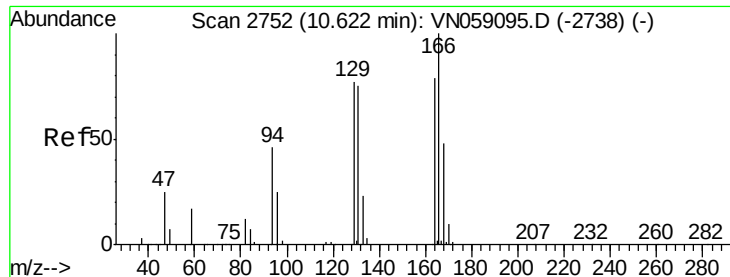
MMDadoda
11/13/2019 12:07:30 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059202.D
Acq: 12 Nov 2019 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	622600		
82	56.7	45.8	68.8	
119	31.7	25.8	38.6	





#64

Tetrachloroethene

Concen: 97.054 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VN059202.D

Acq: 12 Nov 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

MW-305-SRI4MSD

Tot Ion:164 Resp: 410887

Ion Ratio Lower Upper

164 100

166 129.7 101.5 152.3

129 96.0 78.3 117.5

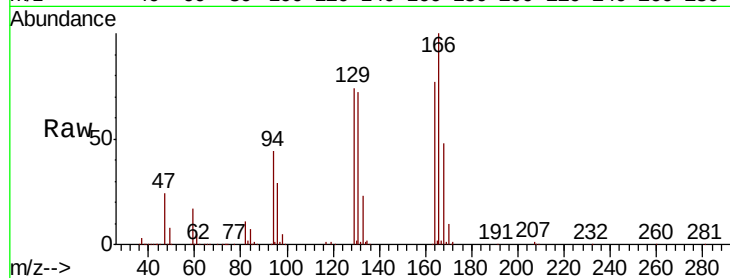
131 92.8 75.9 113.9

Manual Integrations

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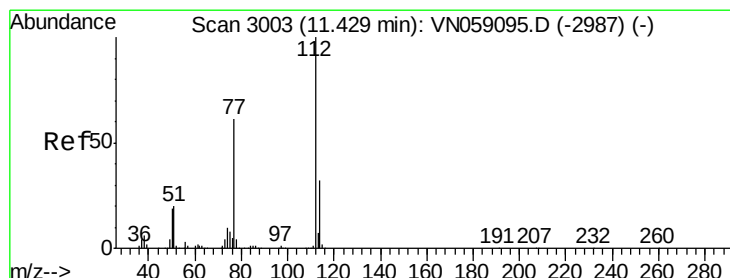
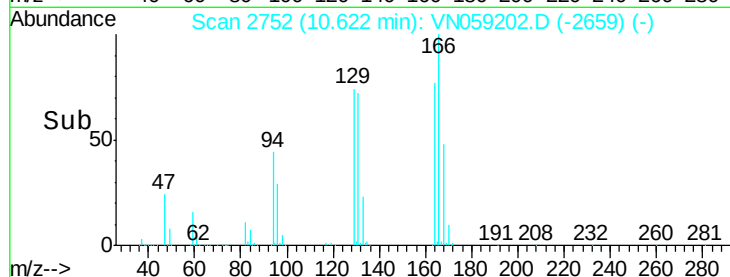
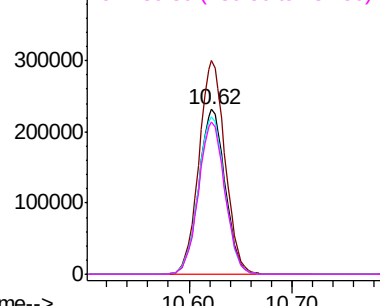


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 50.181 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN059202.D

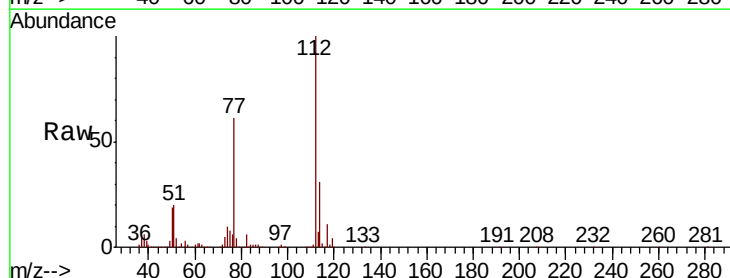
Acq: 12 Nov 2019 19:32

Tgt Ion:112 Resp: 609039

Ion Ratio Lower Upper

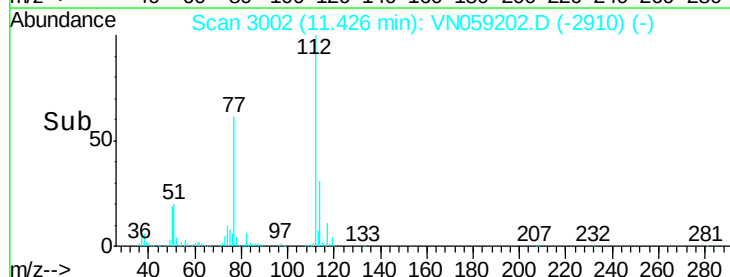
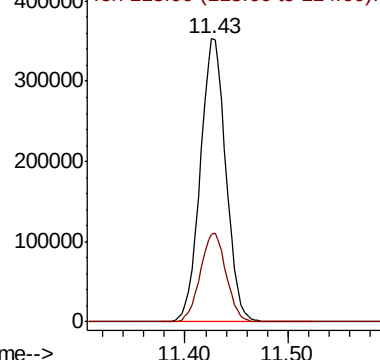
112 100

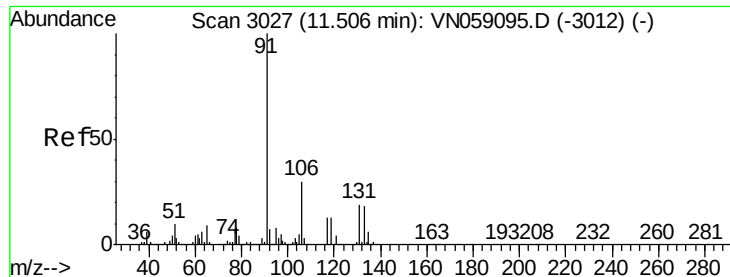
114 31.1 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





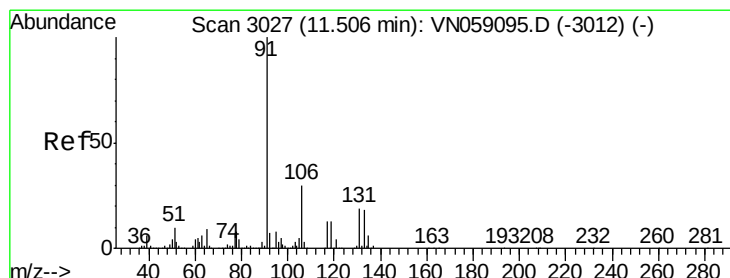
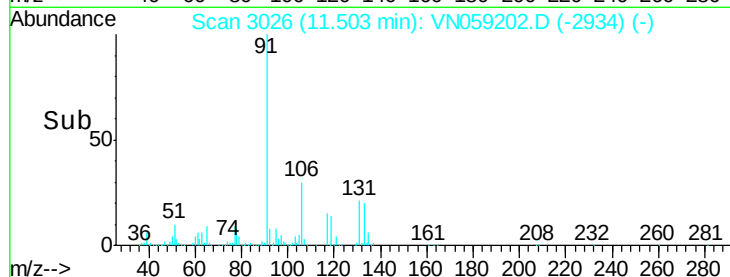
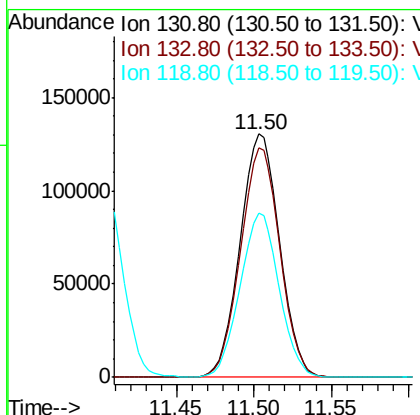
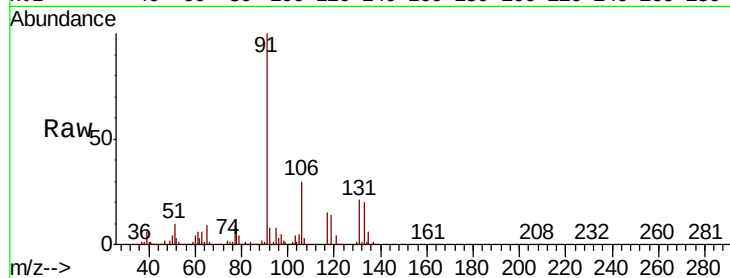
#66
 1,1,1,2-Tetrachloroethane
 Concen: 50.909 ug/l
 RT: 11.50 min Scan# 3026
 Delta R.T. -0.00 min
 Lab File: VN059202.D
 Acq: 12 Nov 2019 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-305-SRI4MSD

Tot Ion	Ratio	Lower	Upper
131	100		
133	93.9	47.4	142.3
119	66.6	33.2	99.6

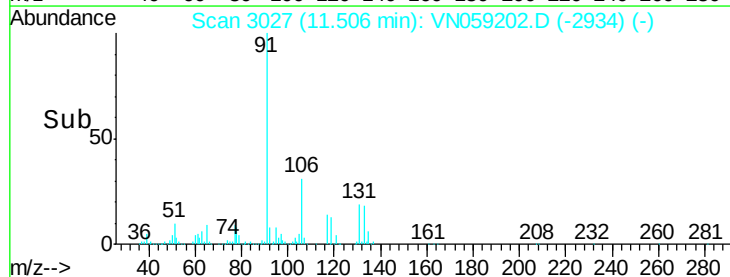
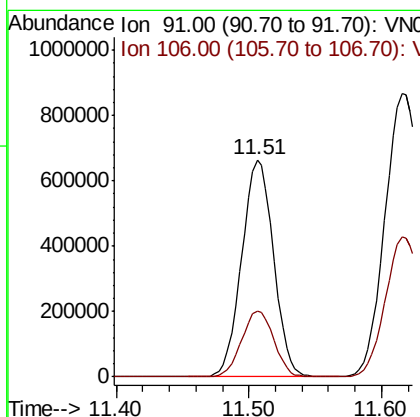
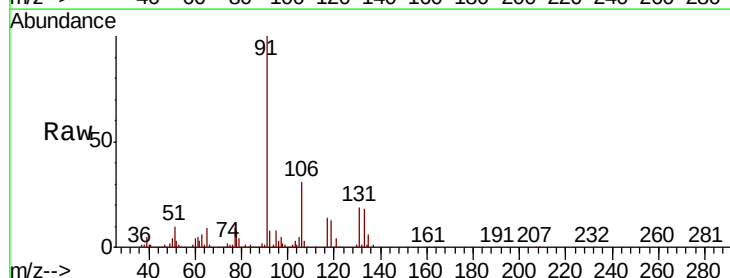
Manual Integrations
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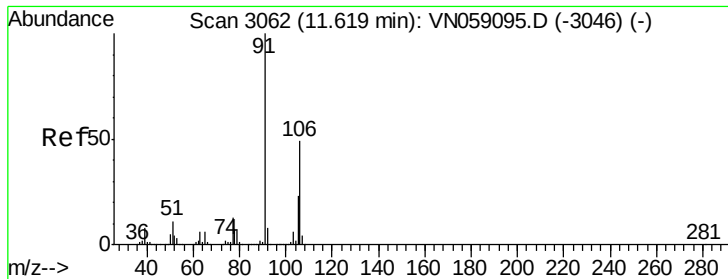
MMDadoda
 11/13/2019 12:07:30 PM



#67
 Ethyl Benzene
 Concen: 51.442 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. -0.00 min
 Lab File: VN059202.D
 Acq: 12 Nov 2019 19:32

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.1	36.1





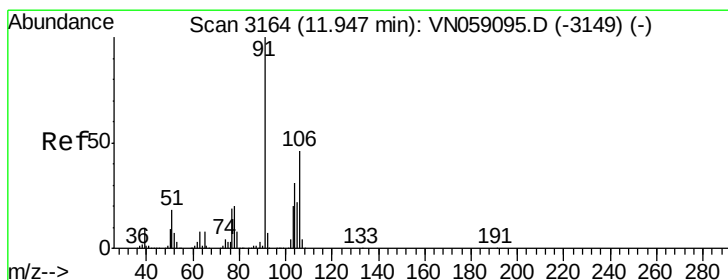
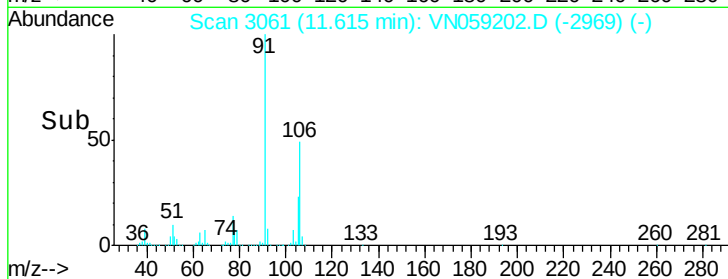
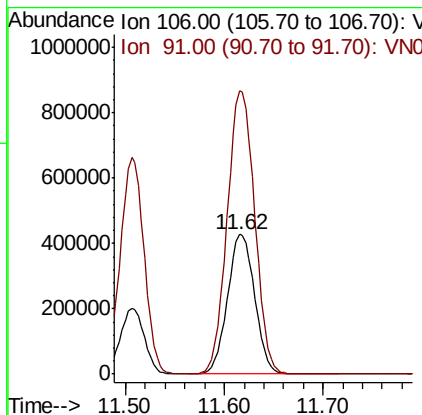
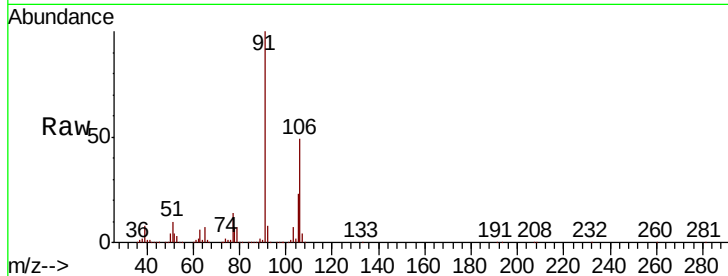
#68
m/p-Xylenes
Concen: 102.228 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN059202.D
Acq: 12 Nov 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
MW-305-SRI4MSD

Tot Ion:106 Resp: 824595
Ion Ratio Lower Upper
106 100
91 205.1 164.7 247.1

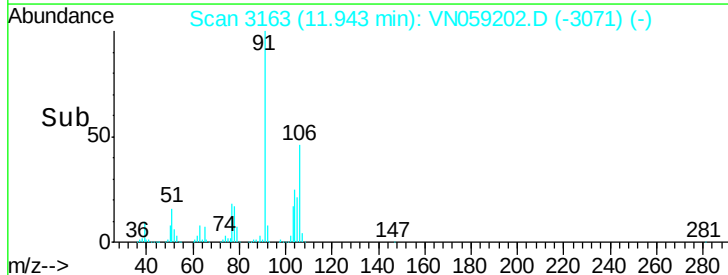
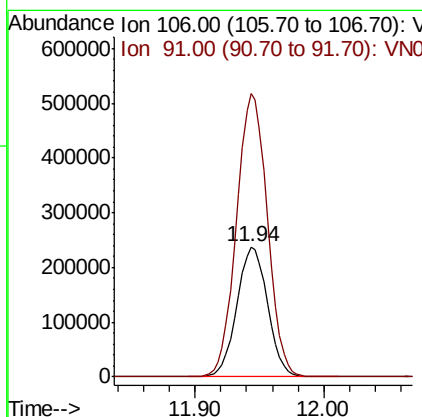
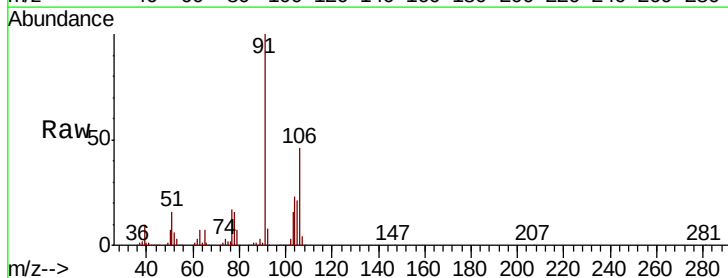
Manual Integrations
APPROVED

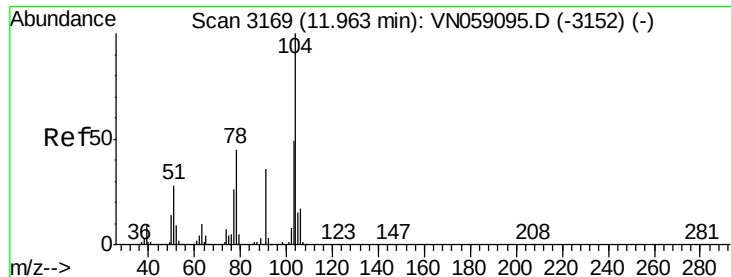
MMDadoda
11/13/2019 12:07:30 PM



#69
o-Xylene
Concen: 50.398 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059202.D
Acq: 12 Nov 2019 19:32

Tgt Ion:106 Resp: 392867
Ion Ratio Lower Upper
106 100
91 218.6 110.1 330.3





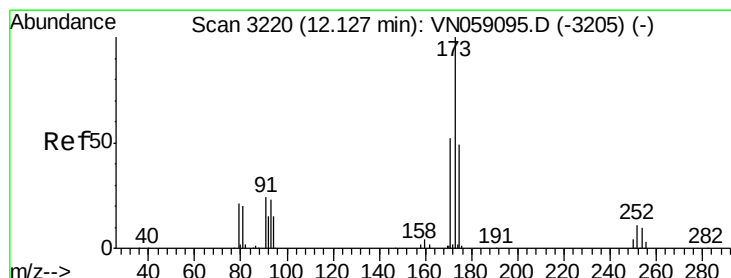
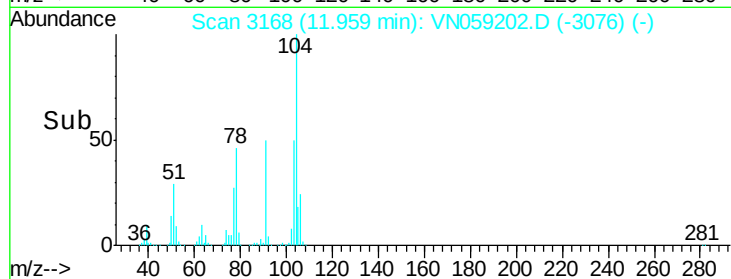
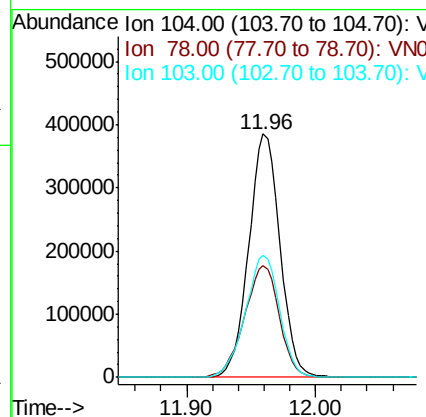
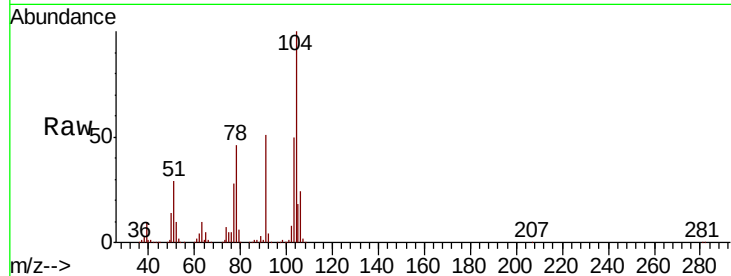
#70
Stvrene
Concen: 53.172 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN059202.D
Acq: 12 Nov 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
MW-305-SRI4MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.1	41.2	61.8
103	54.8	43.8	65.6

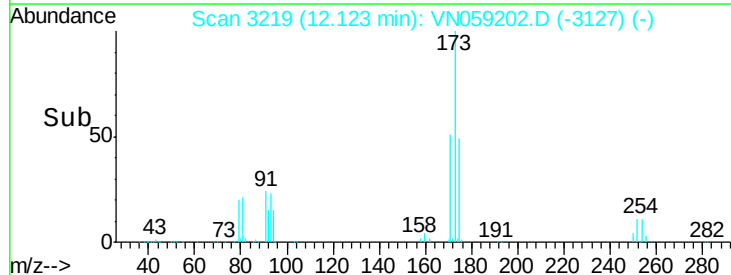
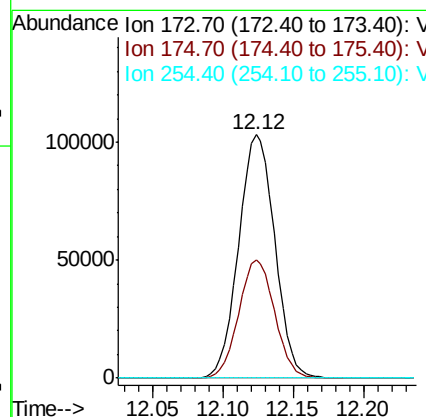
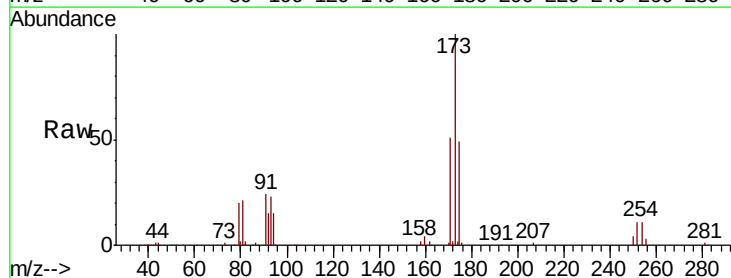
Manual Integrations
APPROVED

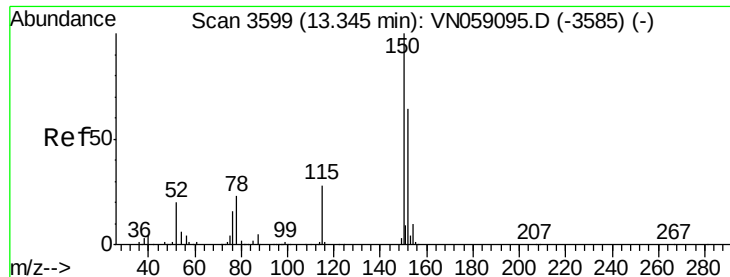
MMDadoda
11/13/2019 12:07:30 PM



#71
Bromoform
Concen: 52.338 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN059202.D
Acq: 12 Nov 2019 19:32

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.2	72.6
254	0.0	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN059202.D

Acq: 12 Nov 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

MW-305-SRI4MSD

Tot Ion:152 Resp: 298453

Ion Ratio Lower Upper

152 100

115 58.3 29.4 88.2

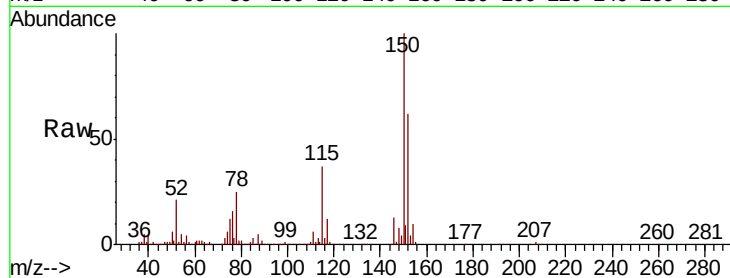
150 173.5 0.0 345.8

Manual Integrations

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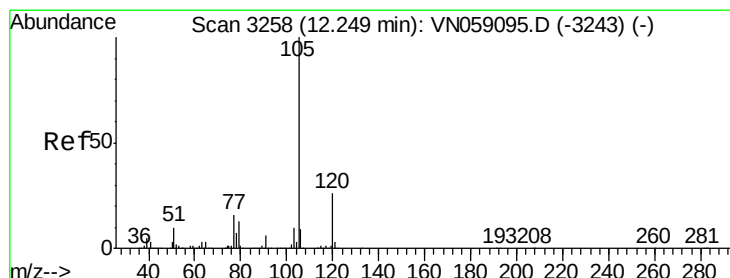
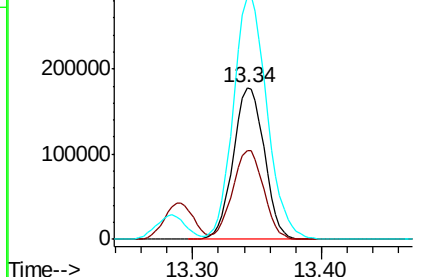
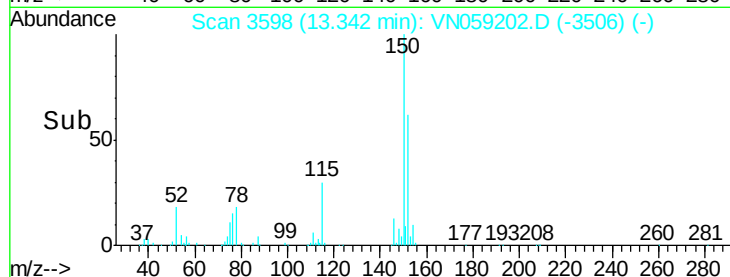
11/13/2019 12:07:30 PM



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 49.094 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059202.D

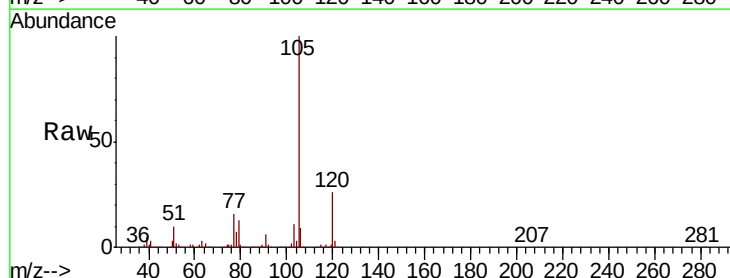
Acq: 12 Nov 2019 19:32

Tgt Ion:105 Resp: 1065809

Ion Ratio Lower Upper

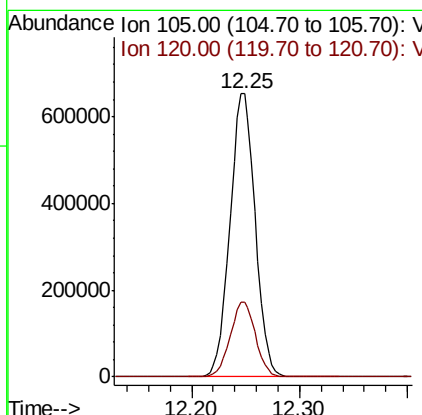
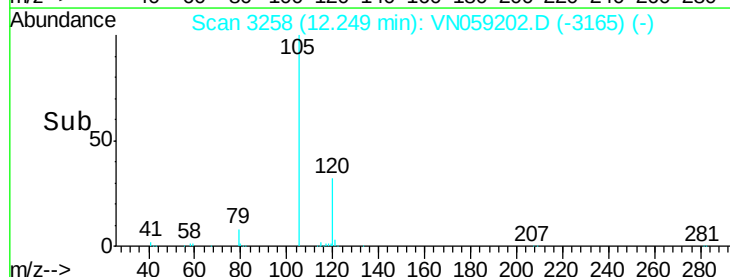
105 100

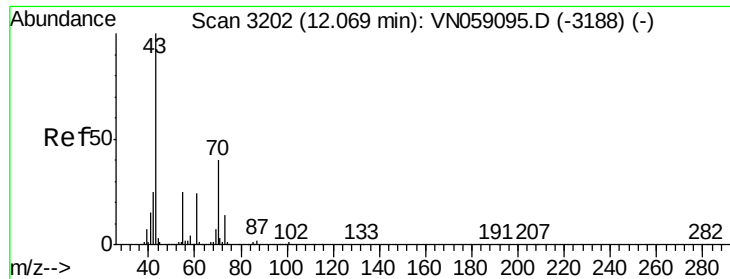
120 26.4 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 48.971 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN059202.D

Acq: 12 Nov 2019 19:32

Instrument :

MSVOA_N

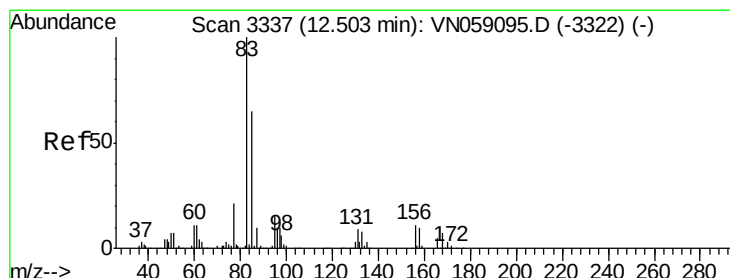
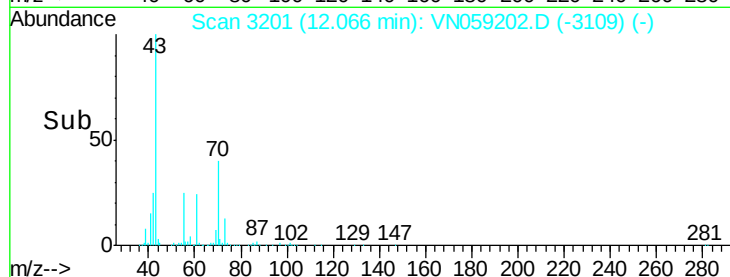
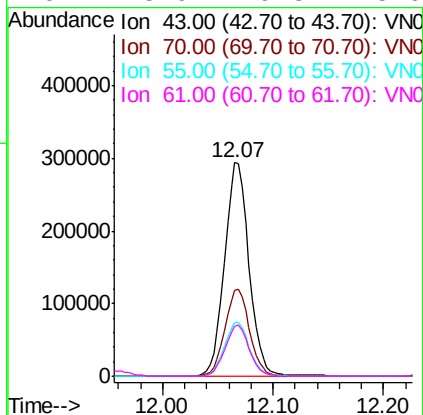
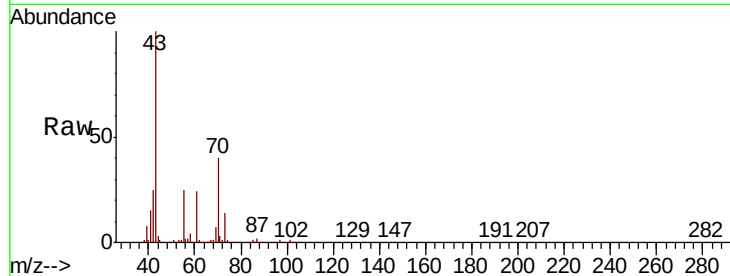
ClientSampleId :

MW-305-SRI4MSD

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
70	41.3	32.2	48.4	
55	26.0	20.4	30.6	
61	23.9	19.3	28.9	

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 48.743 ug/l

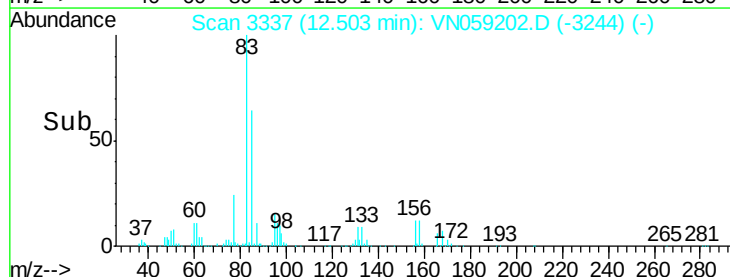
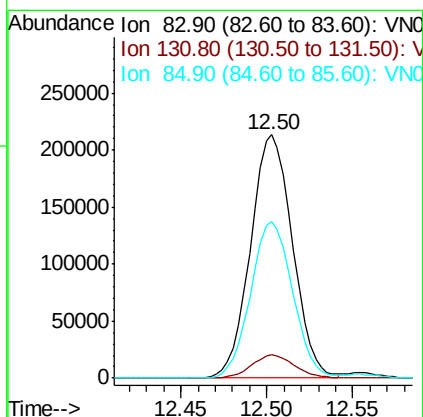
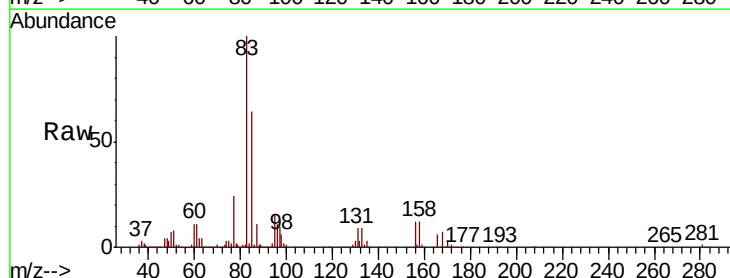
RT: 12.50 min Scan# 3337

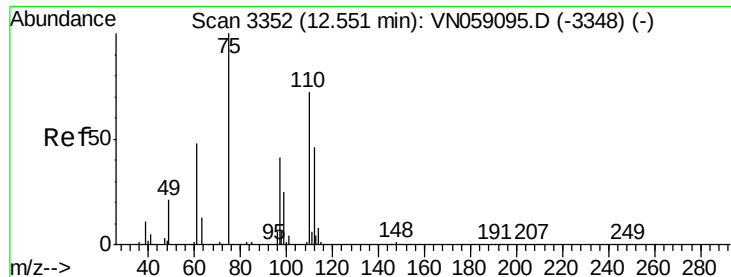
Delta R.T. -0.00 min

Lab File: VN059202.D

Acq: 12 Nov 2019 19:32

Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
131	9.8	4.9	14.6	
85	64.6	32.4	97.2	





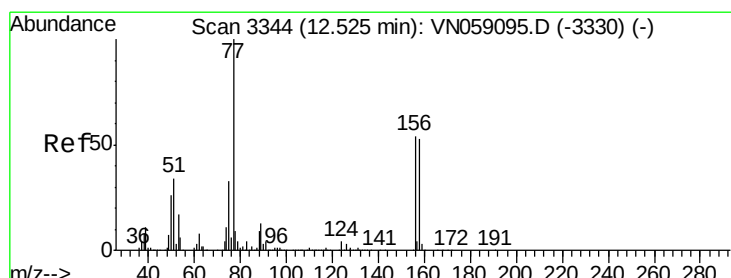
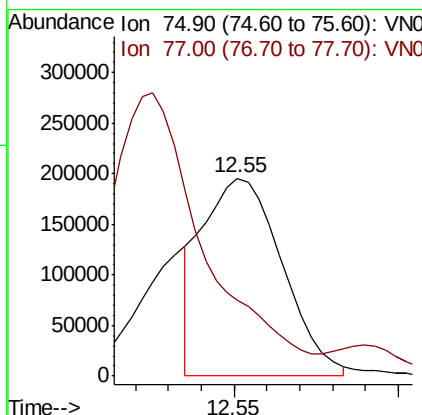
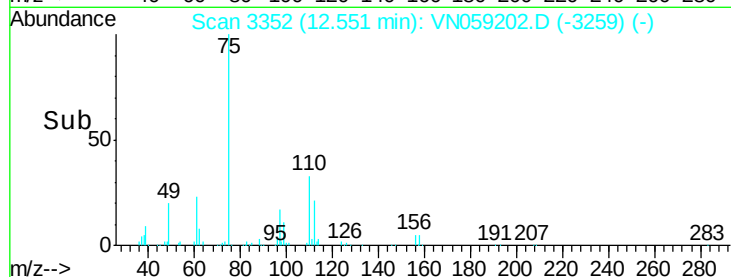
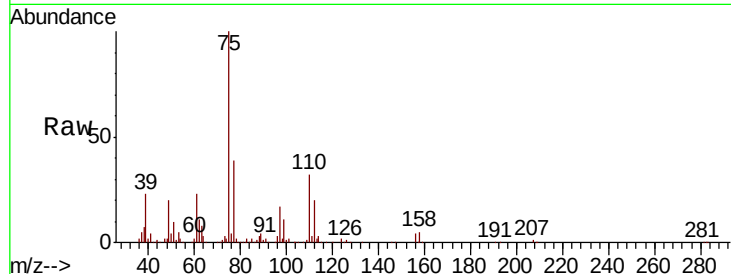
#76
1,2,3-Trichloropropane
Concen: 48.589 ug/l m
RT: 12.55 min Scan# 3352
Delta R.T. -0.00 min
Lab File: VN059202.D
Acq: 12 Nov 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
MW-305-SRI4MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

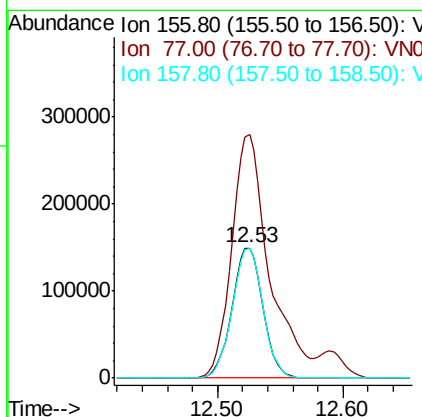
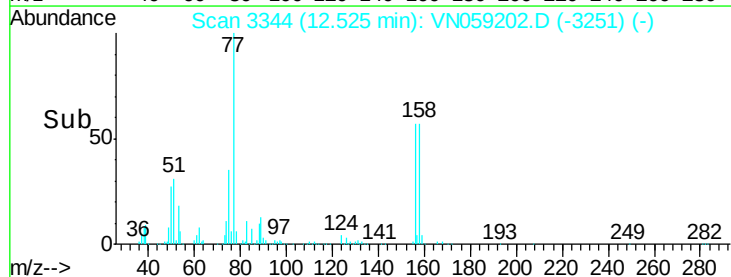
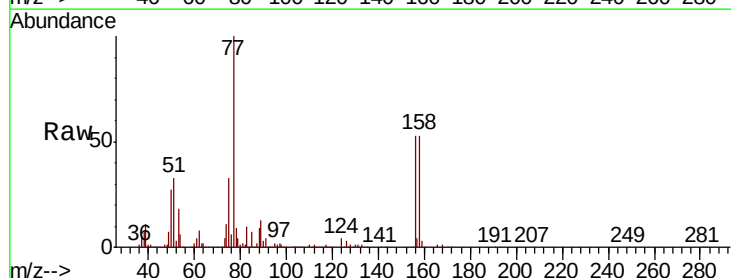
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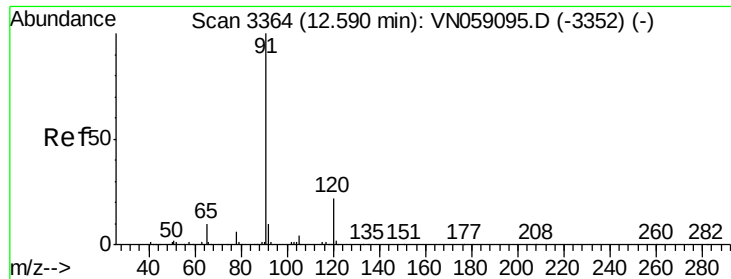
MMDadoda
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#77
Bromobenzene
Concen: 46.861 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN059202.D
Acq: 12 Nov 2019 19:32

Tgt Ion	Ratio	Lower	Upper
156	100		
77	228.0	112.8	338.3
158	98.8	48.4	145.3





#78

n-propylbenzene

Concen: 50.270 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059202.D

Acq: 12 Nov 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

MW-305-SRI4MSD

Tot Ion: 91 Resp: 1249593

Ion Ratio Lower Upper

91 100

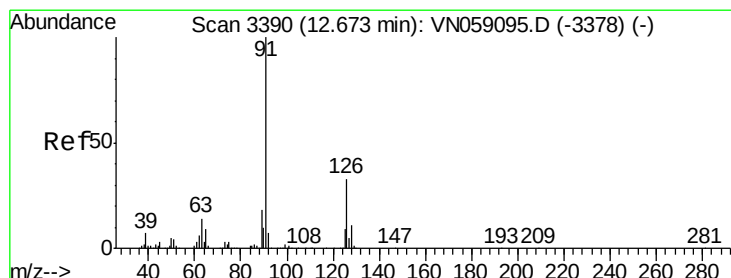
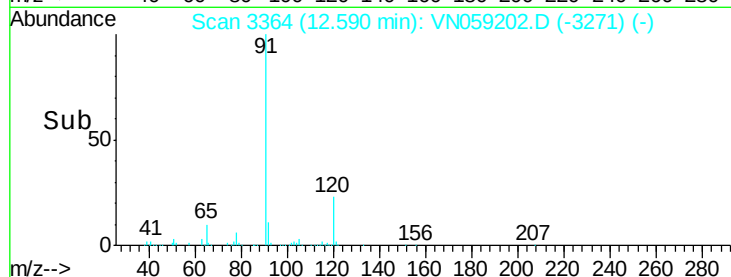
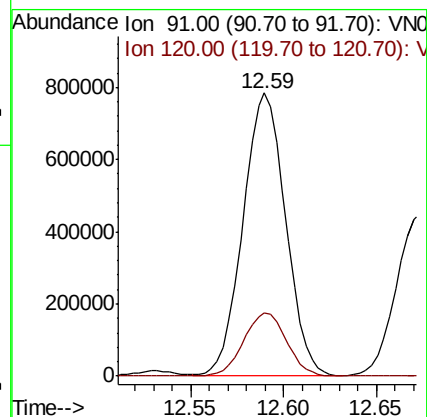
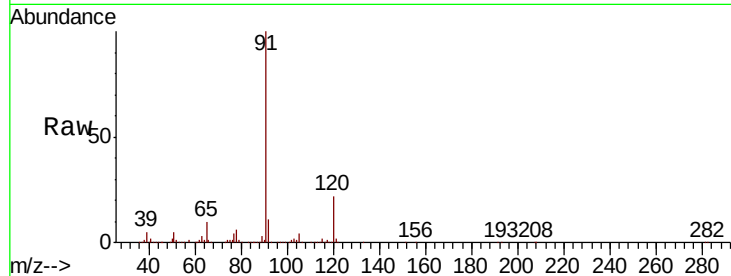
120 22.5 11.2 33.5

Manual Integrations

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#79

2-Chlorotoluene

Concen: 48.457 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059202.D

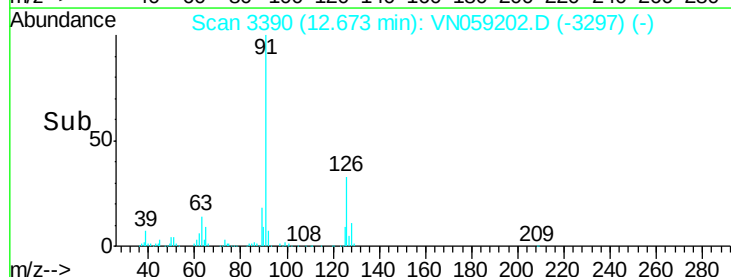
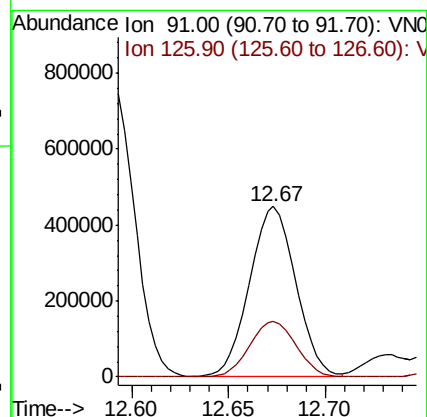
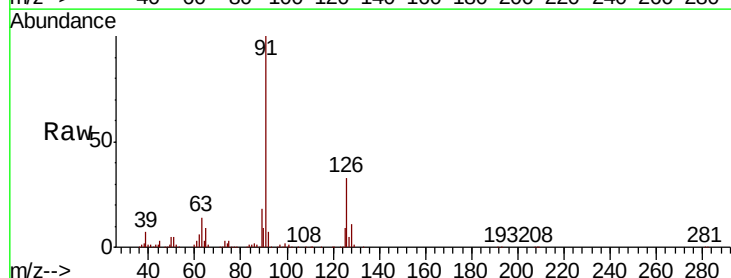
Acq: 12 Nov 2019 19:32

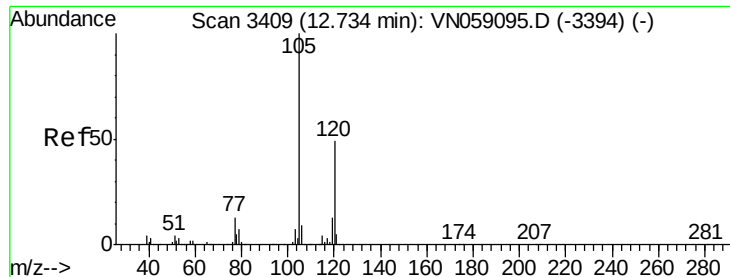
Tgt Ion: 91 Resp: 747222

Ion Ratio Lower Upper

91 100

126 32.9 16.7 50.1





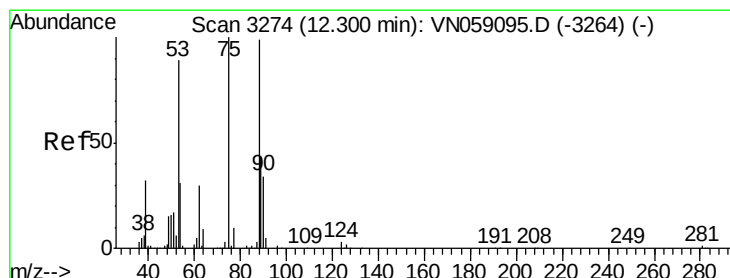
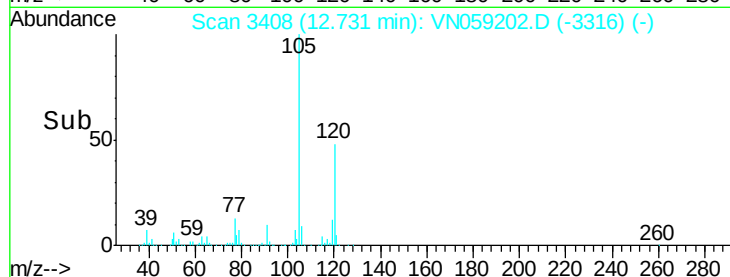
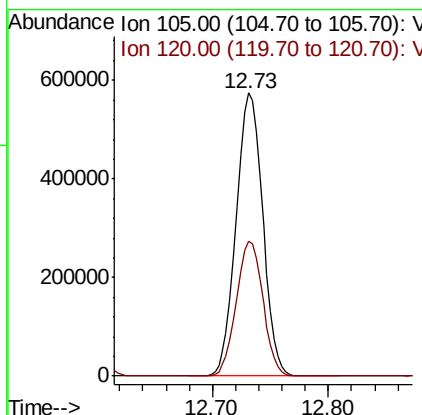
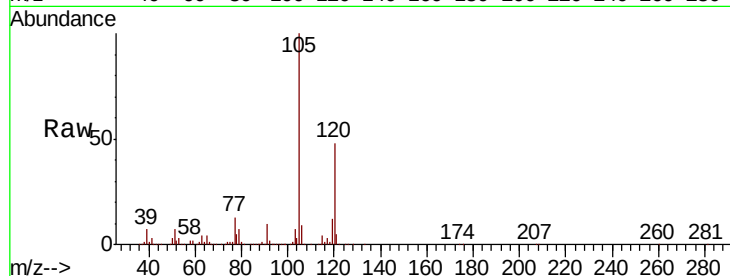
#80
 1,3,5-Trimethylbenzene
 Concen: 49.354 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN059202.D
 Acq: 12 Nov 2019 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-305-SRI4MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	48.1	24.0	72.0

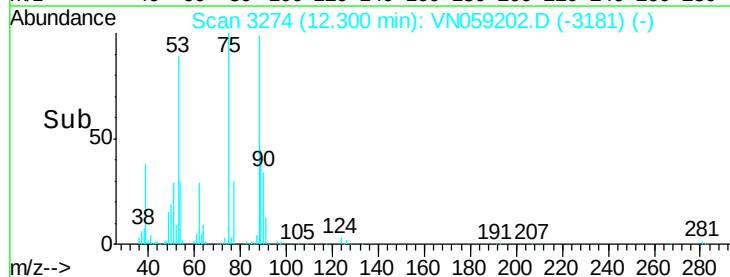
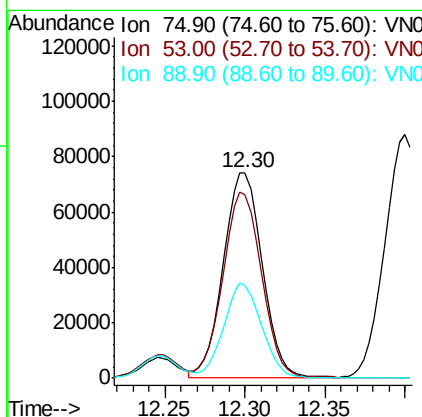
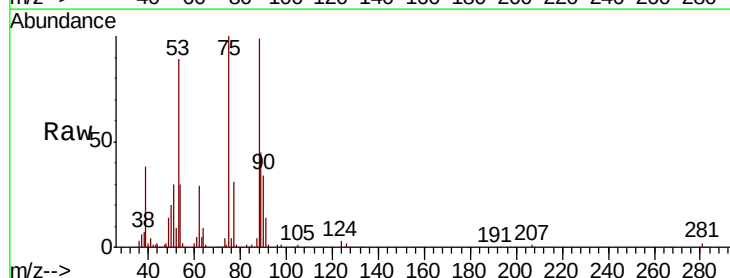
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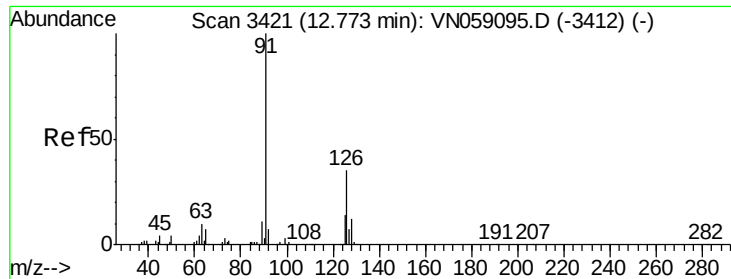
MMDadoda
 11/13/2019 12:07:30 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 47.293 ug/l
 RT: 12.30 min Scan# 3274
 Delta R.T. -0.00 min
 Lab File: VN059202.D
 Acq: 12 Nov 2019 19:32

Tgt Ion	Ratio	Lower	Upper
75	100		
53	90.7	72.2	108.2
89	45.3	35.8	53.8





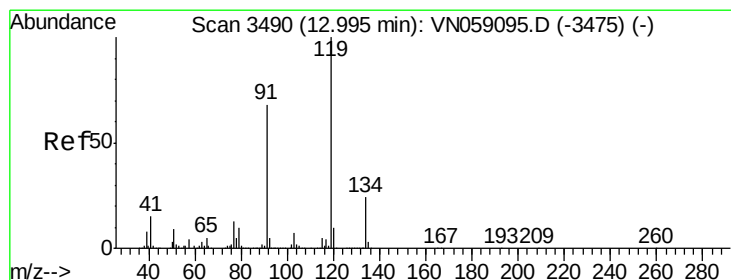
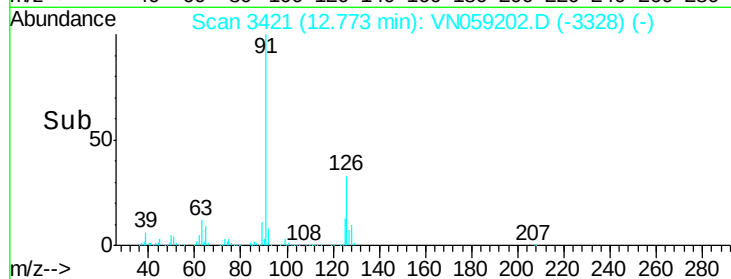
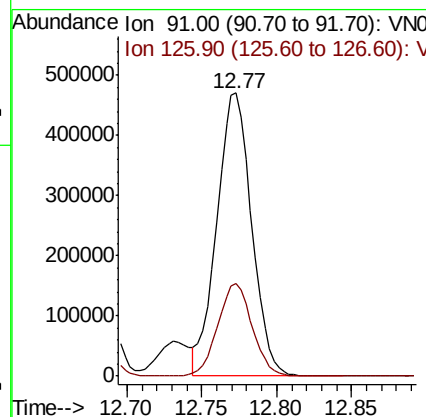
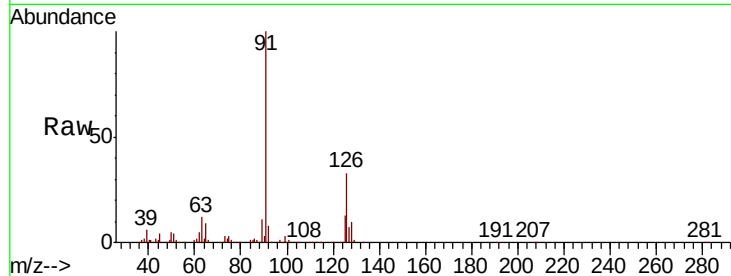
#82
4-Chlorotoluene
Concen: 49.216 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059202.D
Acq: 12 Nov 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
MW-305-SRI4MSD

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.1	48.2

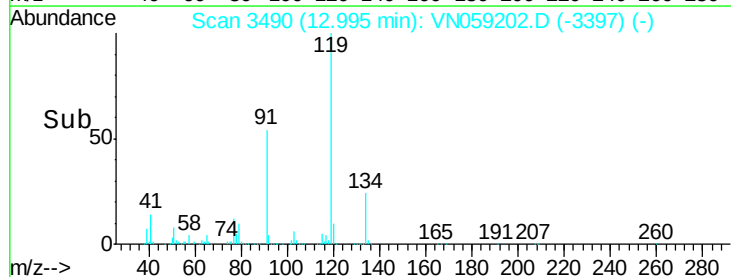
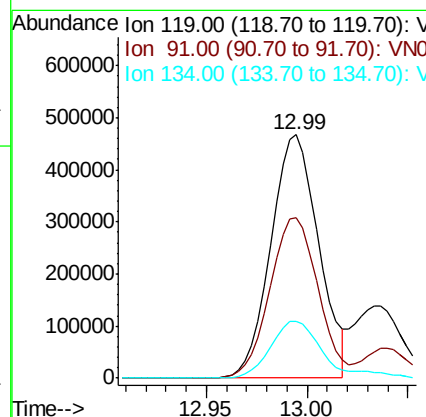
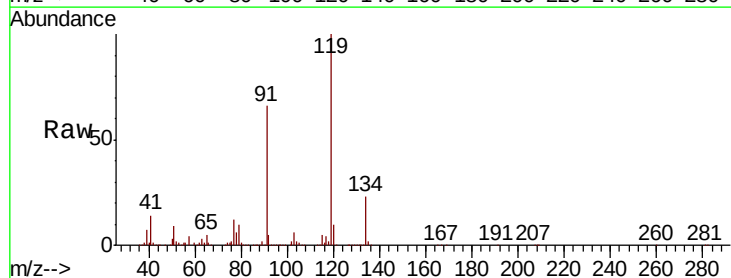
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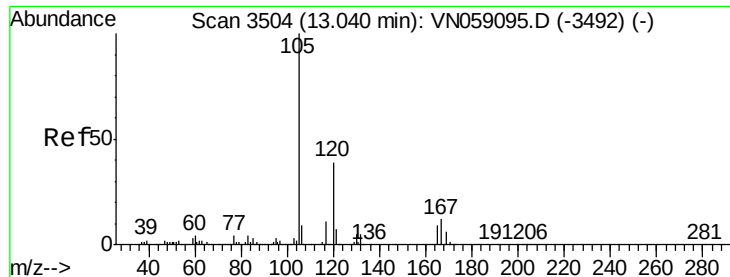
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#83
tert-Butylbenzene
Concen: 48.418 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN059202.D
Acq: 12 Nov 2019 19:32

Tgt Ion	Ratio	Lower	Upper
119	100		
91	66.2	33.2	99.6
134	25.9	12.7	38.1





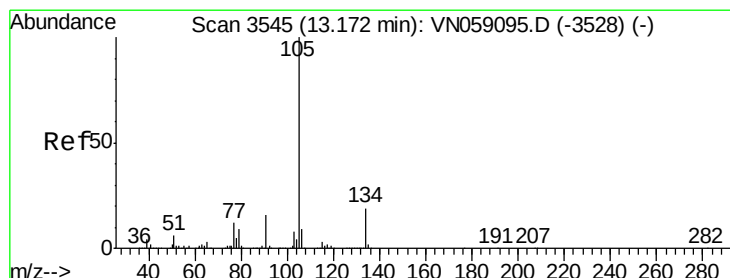
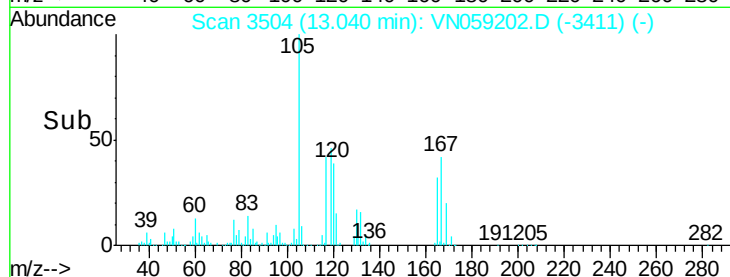
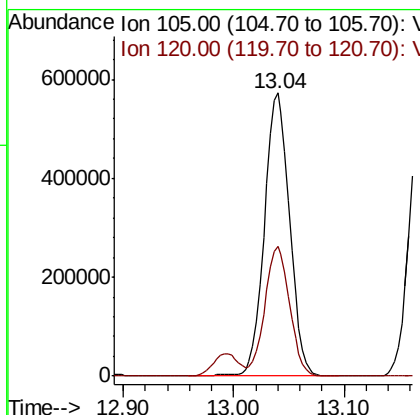
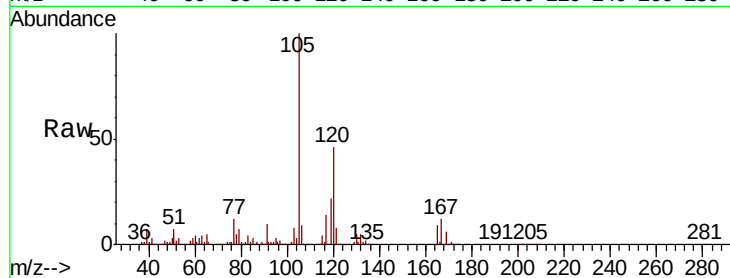
#84
 1,2,4-Trimethylbenzene
 Concen: 50.839 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN059202.D
 Acq: 12 Nov 2019 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-305-SRI4MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.8	68.4

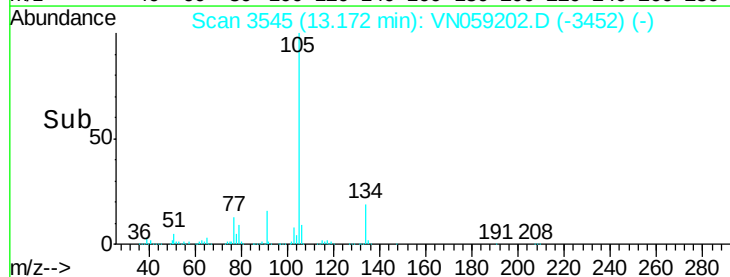
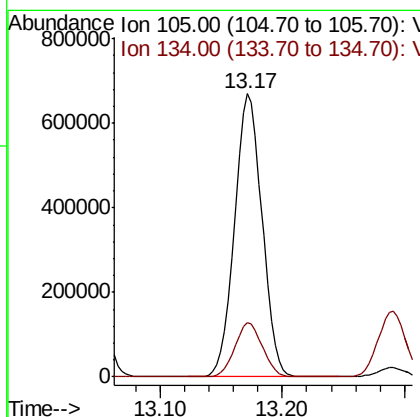
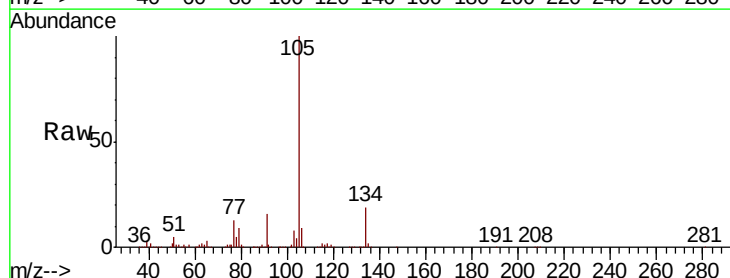
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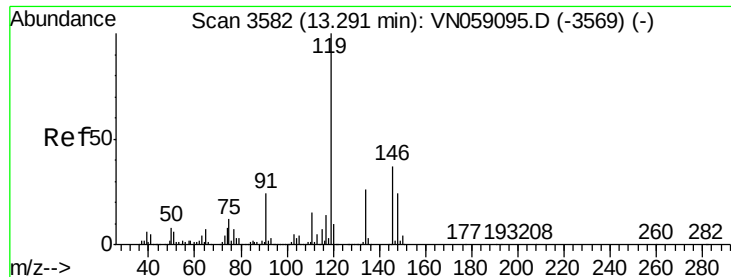
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#85
 sec-Butylbenzene
 Concen: 50.463 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN059202.D
 Acq: 12 Nov 2019 19:32

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.7	29.1





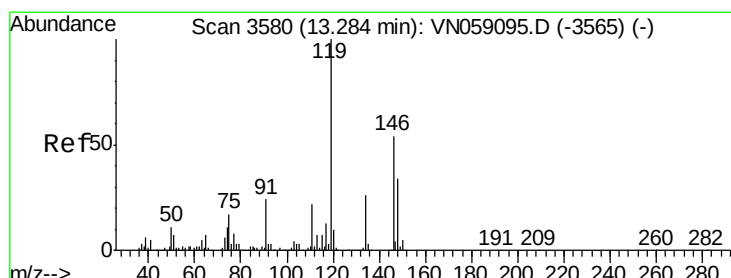
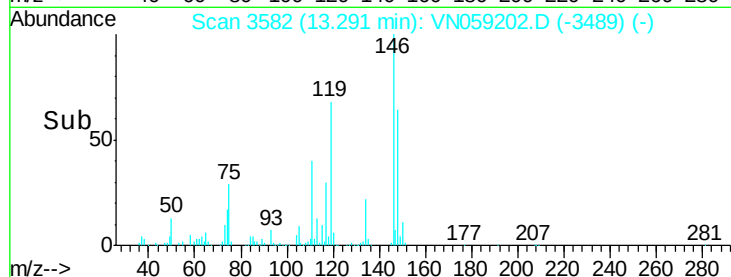
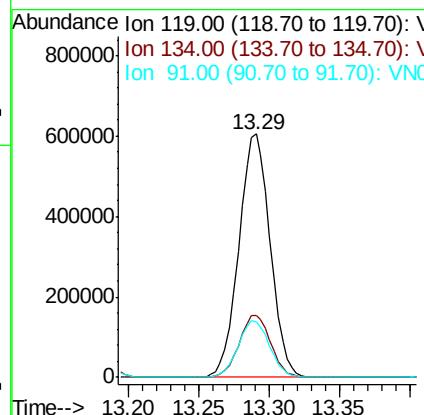
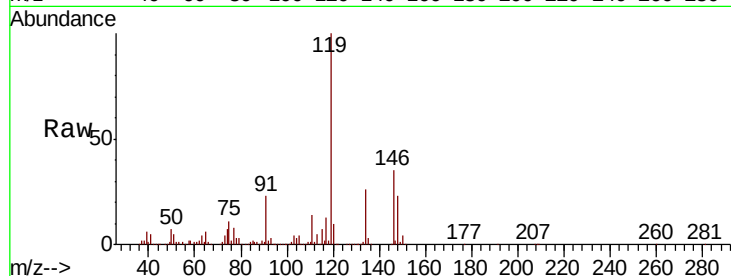
#86
 p-Isopropyltoluene
 Concen: 51.259 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN059202.D
 Acq: 12 Nov 2019 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-305-SRI4MSD

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.0	38.9
91	23.4	11.7	35.1

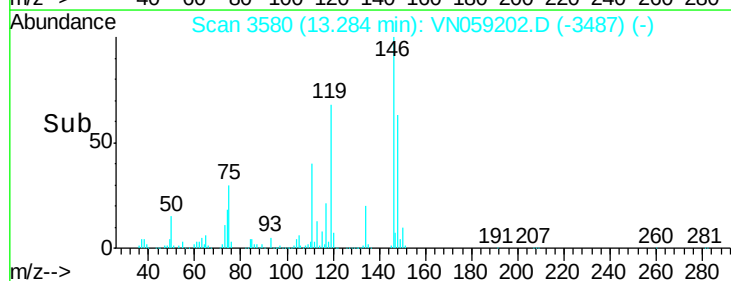
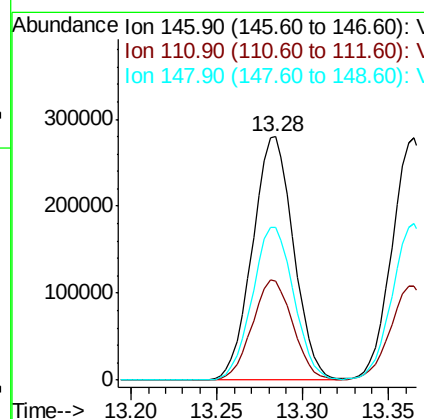
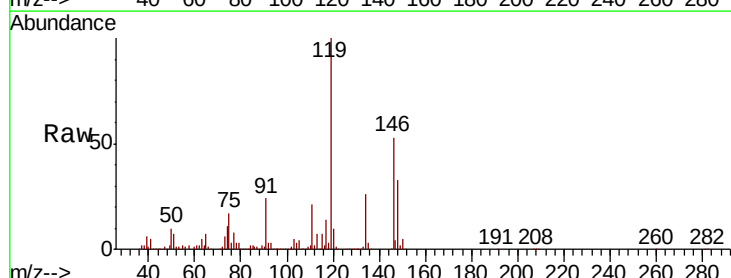
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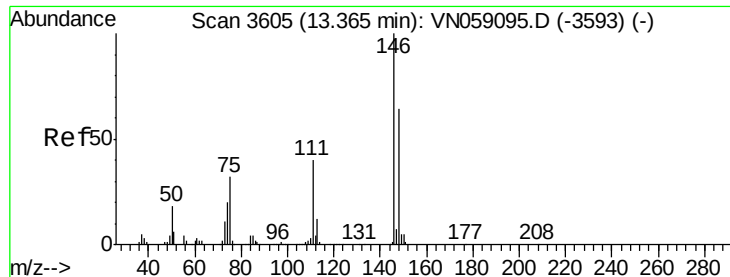
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#87
 1,3-Dichlorobenzene
 Concen: 49.593 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN059202.D
 Acq: 12 Nov 2019 19:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.4	61.3
148	63.5	32.2	96.6





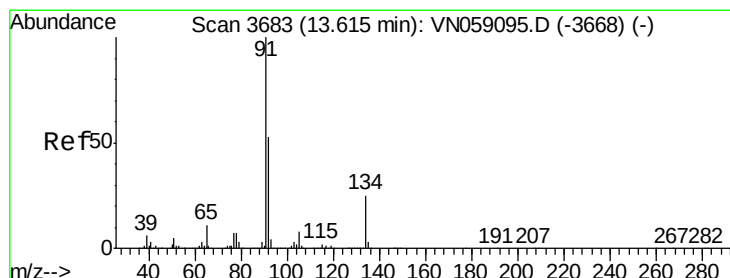
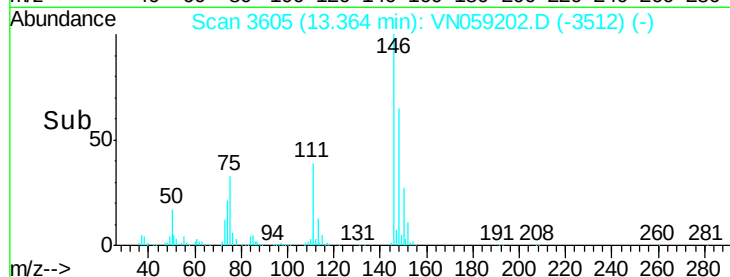
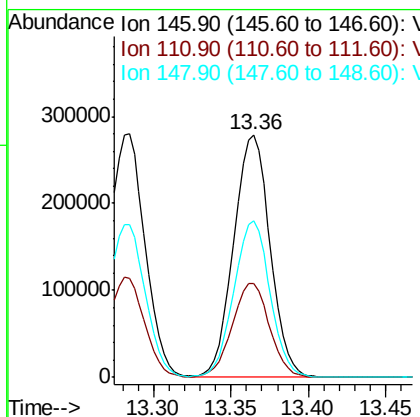
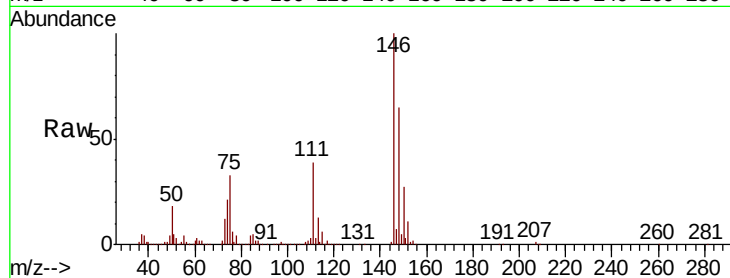
#88
 1,4-Dichlorobenzene
 Concen: 48.613 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN059202.D
 Acq: 12 Nov 2019 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-305-SRI4MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.3	60.9
148	64.1	31.9	95.7

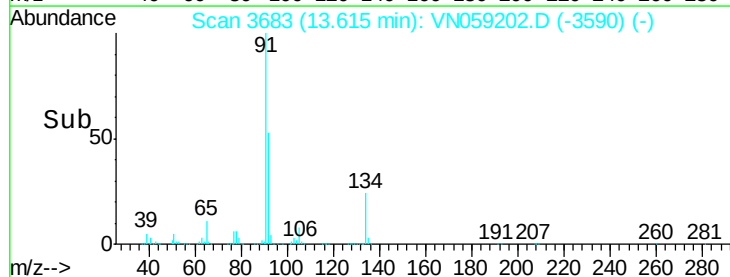
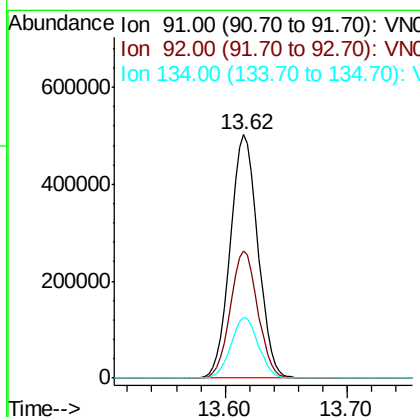
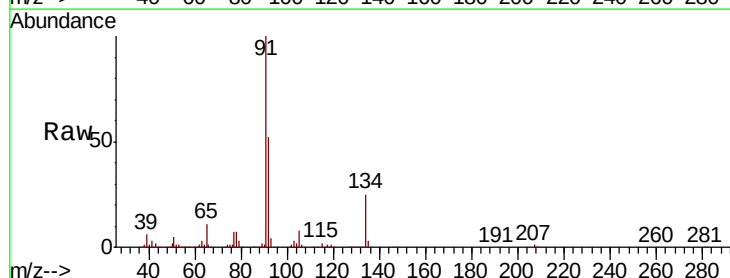
Manual Integrations
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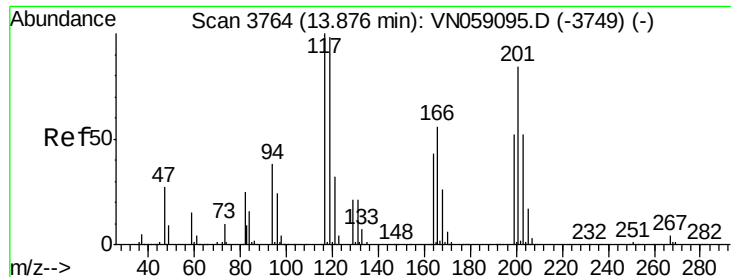
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#89
 n-Butylbenzene
 Concen: 49.669 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. -0.00 min
 Lab File: VN059202.D
 Acq: 12 Nov 2019 19:32

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.1	78.3
134	24.9	12.6	37.8





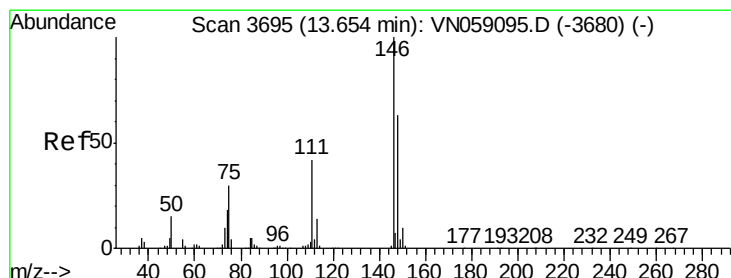
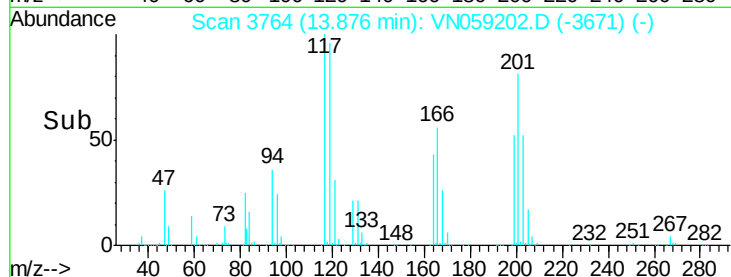
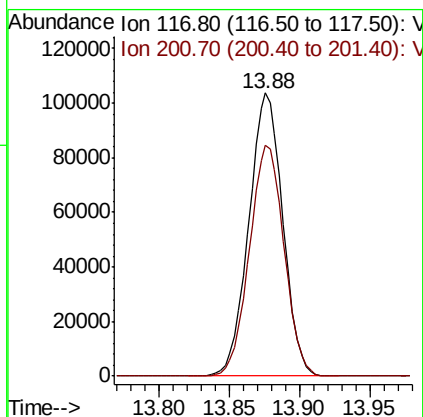
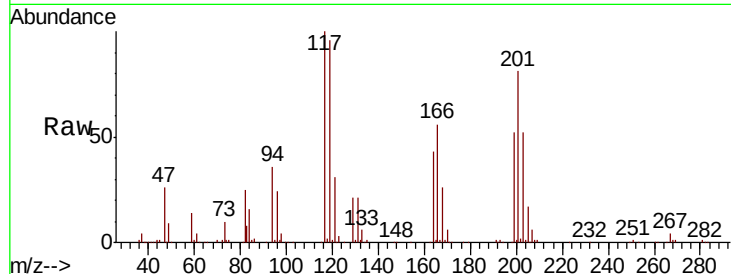
#90
Hexachloroethane
Concen: 47.731 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059202.D
Acq: 12 Nov 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
MW-305-SRI4MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	174847		
201	83.2	41.8	125.3	

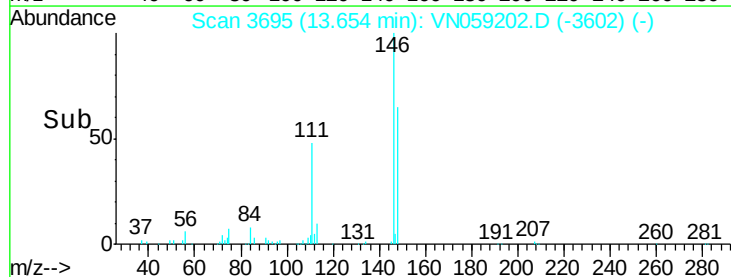
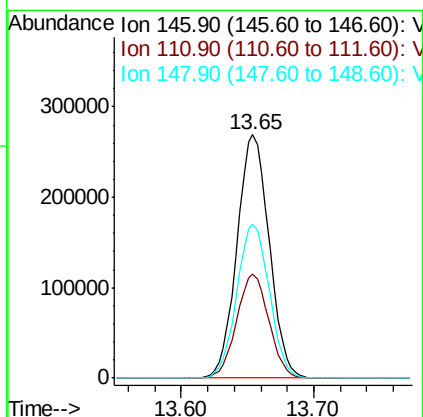
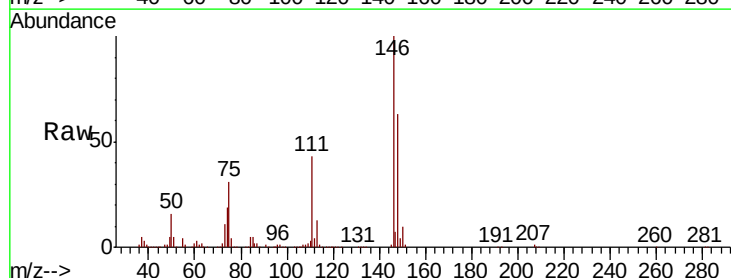
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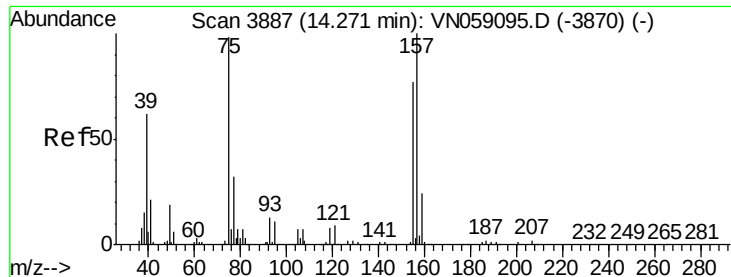
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#91
1,2-Dichlorobenzene
Concen: 49.426 ug/l
RT: 13.65 min Scan# 3695
Delta R.T. -0.00 min
Lab File: VN059202.D
Acq: 12 Nov 2019 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	454127		
111	42.7	21.2	63.6	
148	64.0	31.6	94.7	





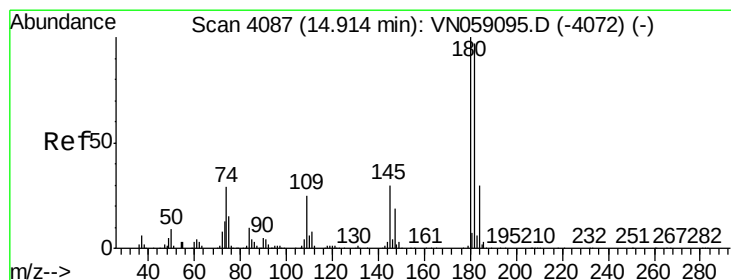
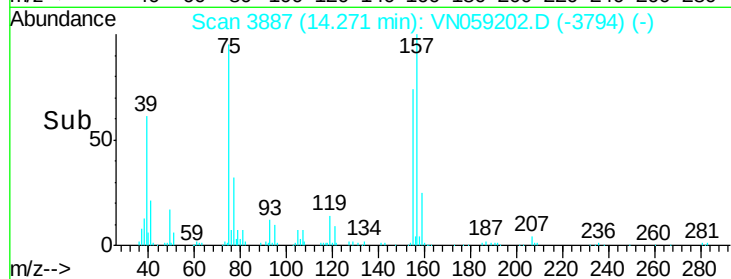
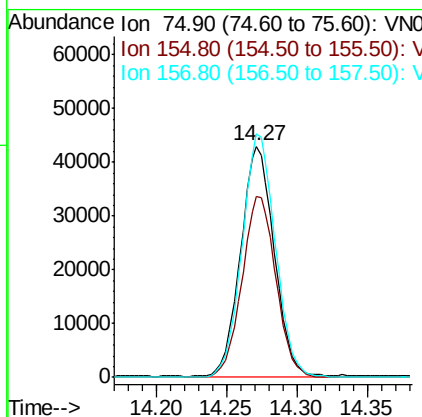
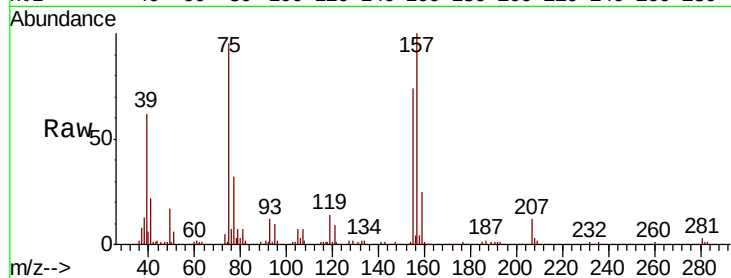
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.480 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN059202.D
 Acq: 12 Nov 2019 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-305-SRI4MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	79.2	40.2	120.6
157	105.0	51.8	155.5

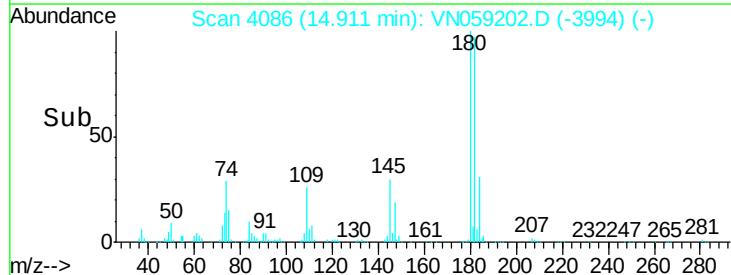
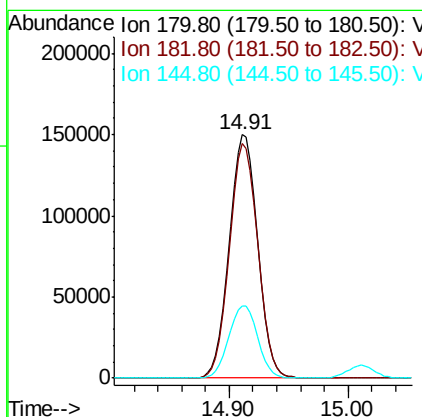
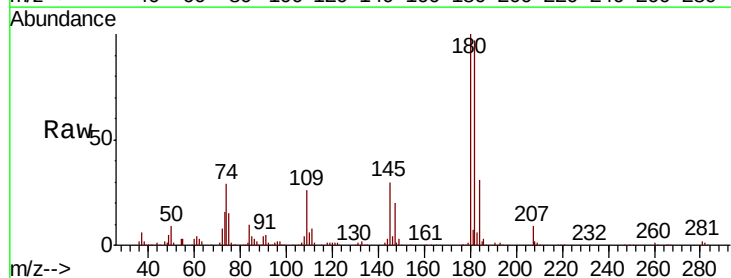
Manual Integrations
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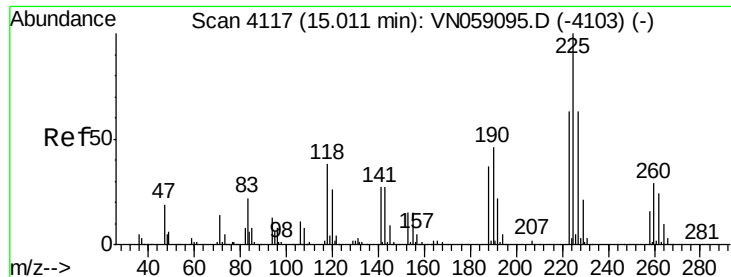
MMDadoda
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#93
 1,2,4-Trichlorobenzene
 Concen: 44.986 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN059202.D
 Acq: 12 Nov 2019 19:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.1	144.3
145	30.3	15.1	45.3





#94

Hexachlorobutadiene

Concen: 45.789 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VN059202.D

Acq: 12 Nov 2019 19:32

Instrument :

MSVOA_N

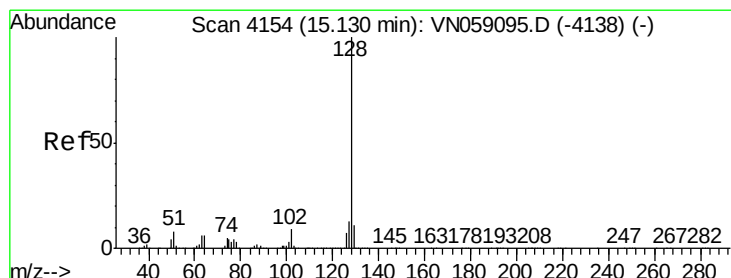
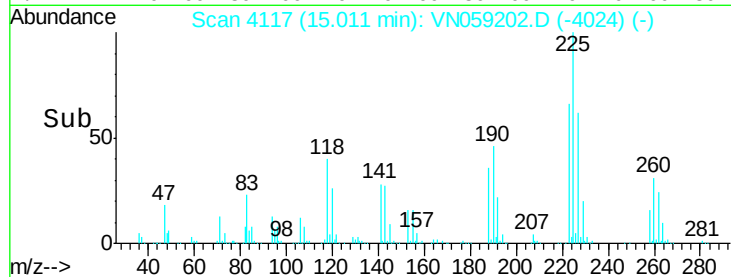
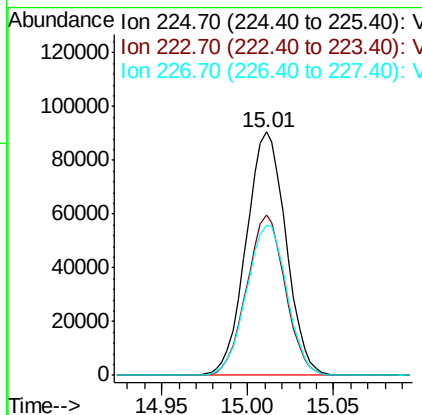
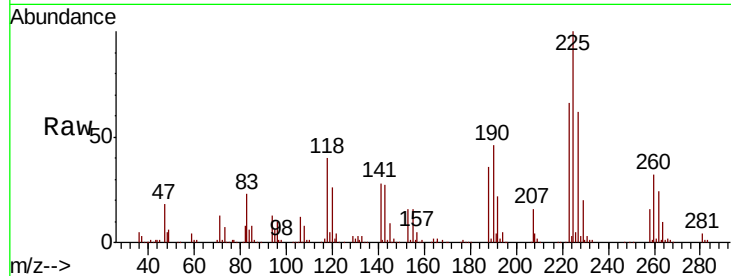
ClientSampleId :

MW-305-SRI4MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
225	100		145061		
223	63.8		31.3	93.9	
227	63.0		31.5	94.5	

Manual Integrations
APPROVED

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11/13/2019 12:07:30 PM



#95

Naphthalene

Concen: 45.116 ug/l

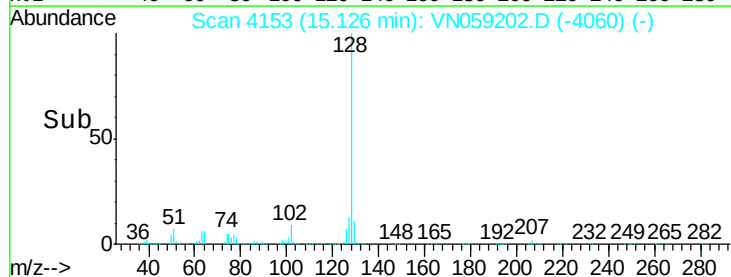
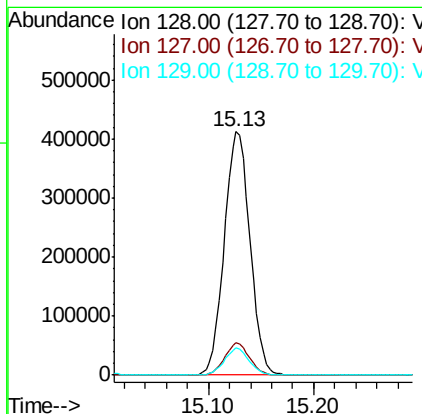
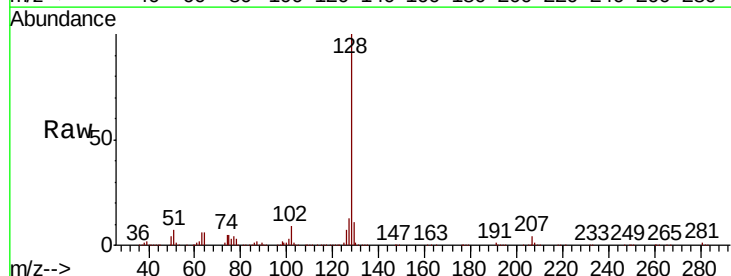
RT: 15.13 min Scan# 4153

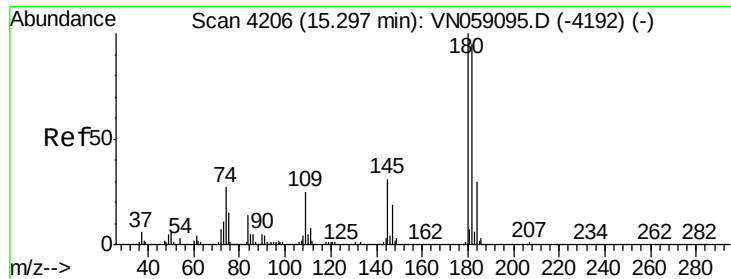
Delta R.T. -0.00 min

Lab File: VN059202.D

Acq: 12 Nov 2019 19:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
128	100		692857		
127	12.7		10.2	15.2	
129	10.6		8.6	12.8	





#96
 1,2,3-Trichlorobenzene
 Concen: 49.150 ug/l
 RT: 15.30 min Scan# 4206
 Delta R.T. -0.00 min
 Lab File: VN059202.D
 Acq: 12 Nov 2019 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-305-SRI4MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.3	141.8
145	31.8	15.8	47.3

Manual Integrations
 APPROVED

MMDadoda
 11/13/2019 12:07:30 PM

