

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

Quant Time: Nov 13 05:43:24 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	266236	49.97	ug/l	0.00
Spiked Amount			Recovery	=	99.94%	
35) Dibromofluoromethane	7.56	113	210838	51.80	ug/l	0.00
Spiked Amount			Recovery	=	103.60%	
50) Toluene-d8	10.08	98	805180	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	
62) 4-Bromofluorobenzene	12.40	95	296123	51.23	ug/l	0.00
Spiked Amount			Recovery	=	102.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	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	351304	42.297	ug/l	93
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	7.18	41	507394	164.622	ug/l #	100
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) Styrene	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	471531	69.396	ug/l #	100
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

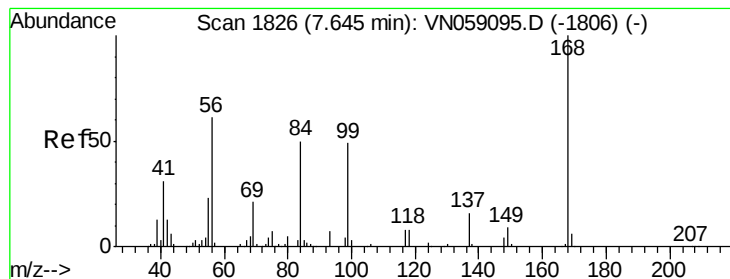
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Quant Title : SW846 8260
QLast Update : Thu Nov 07 04:00:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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 :

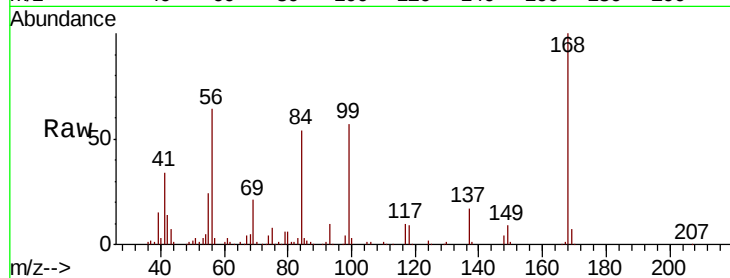
MW-305-SRI4MSD

Tot Ion:168 Resp: 433444

Ion Ratio Lower Upper

168 100

99 56.7 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

200000

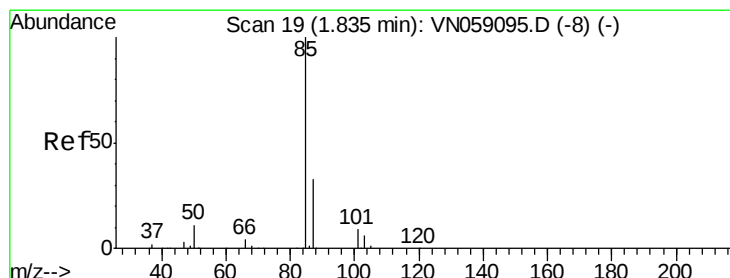
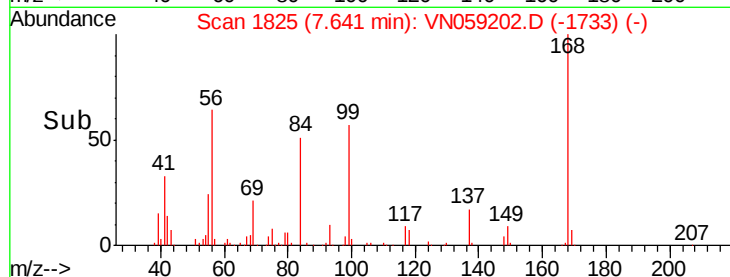
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.403 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059202.D

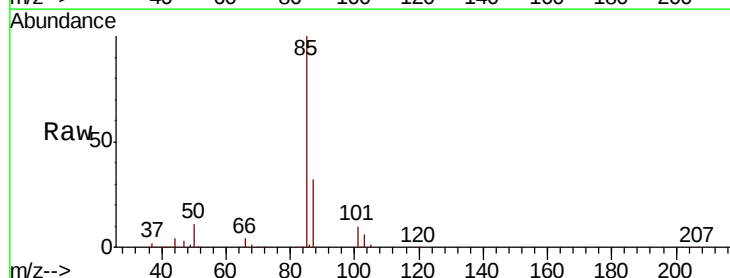
Acq: 12 Nov 2019 19:32

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): VNO

Ion 86.90 (86.60 to 87.60): VNO

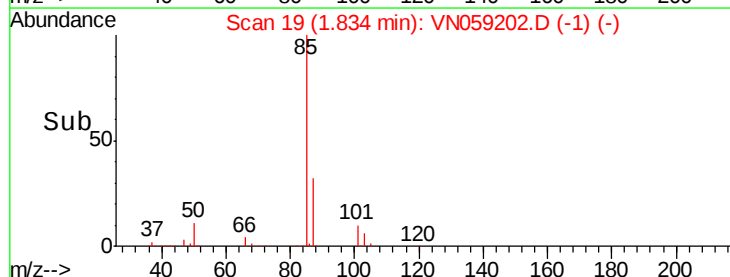
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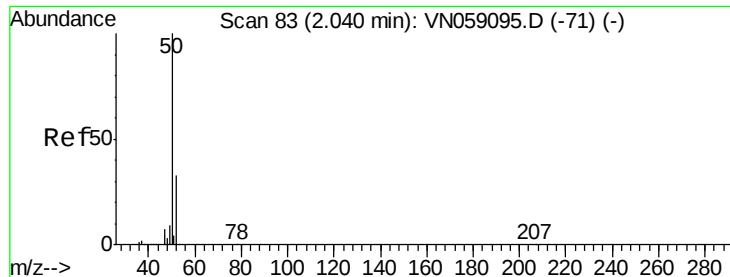
100000

50000

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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 :

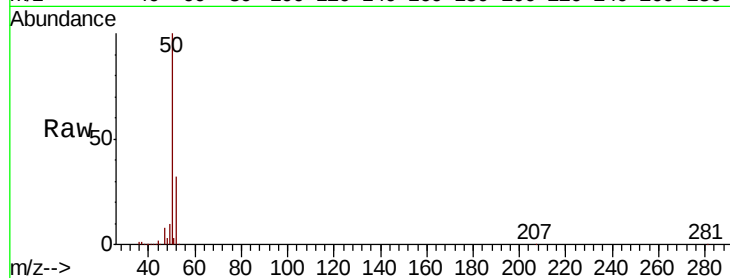
MW-305-SRI4MSD

Tot Ion: 50 Resp: 266876

Ion Ratio Lower Upper

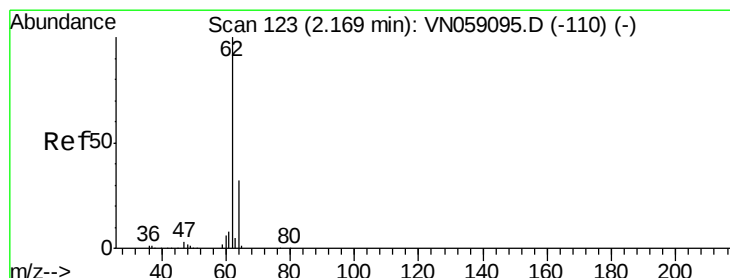
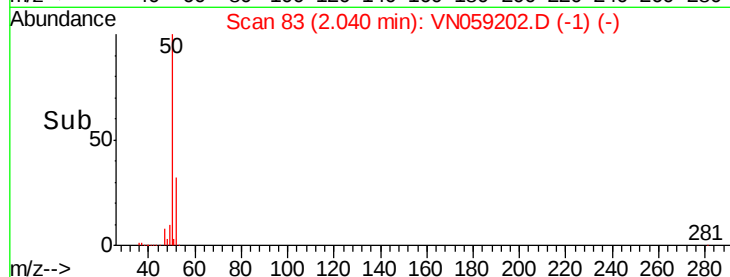
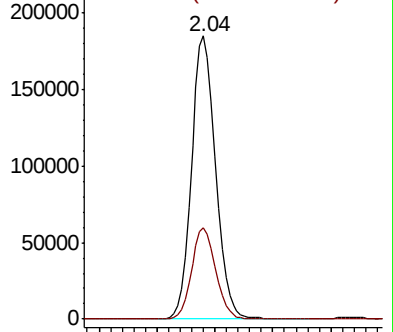
50 100

52 32.3 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 46.298 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059202.D

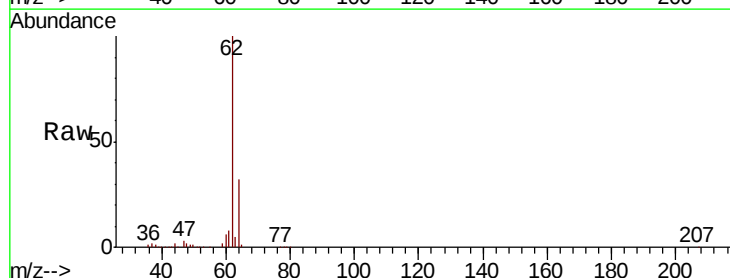
Acq: 12 Nov 2019 19:32

Tgt Ion: 62 Resp: 266466

Ion Ratio Lower Upper

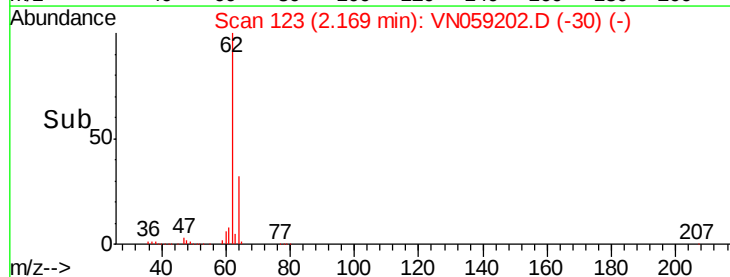
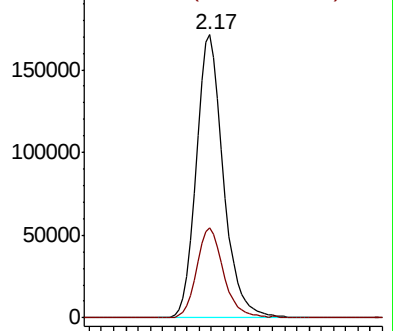
62 100

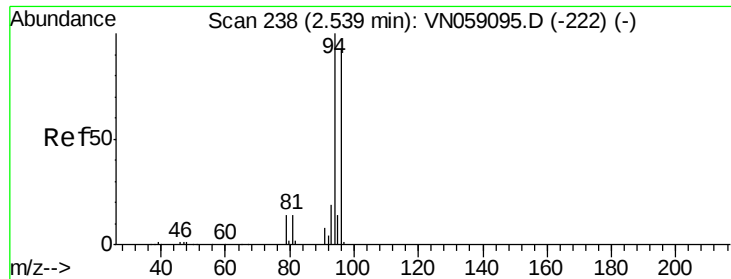
64 31.6 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#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 :

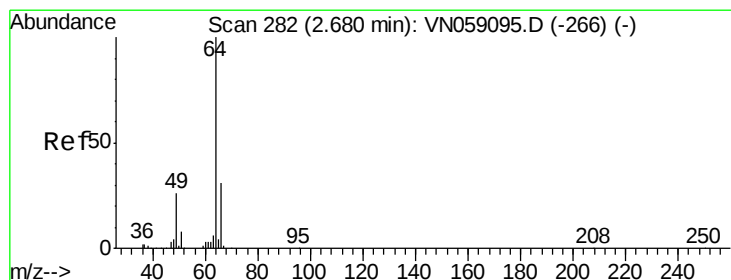
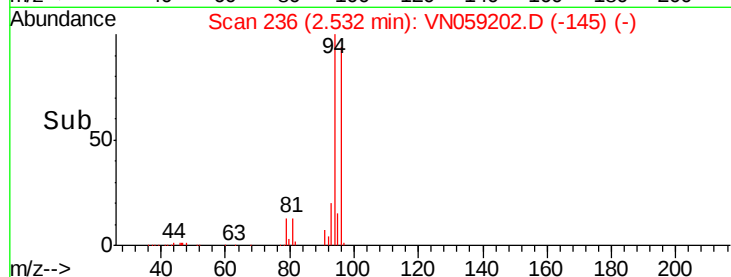
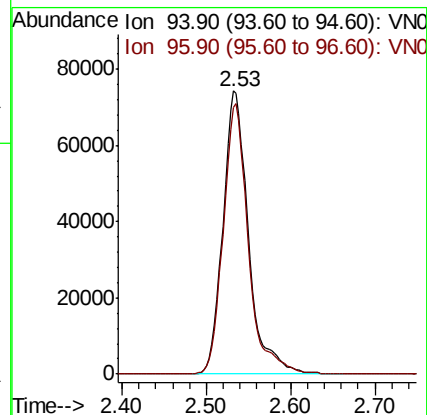
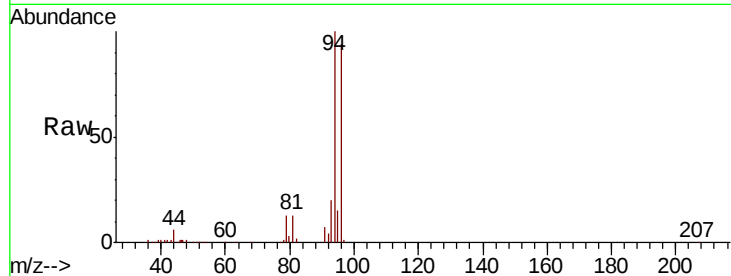
MW-305-SRI4MSD

Tot Ion: 94 Resp: 156222

Ion Ratio Lower Upper

94 100

96 94.1 74.2 111.2



#6

Chloroethane

Concen: 48.024 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN059202.D

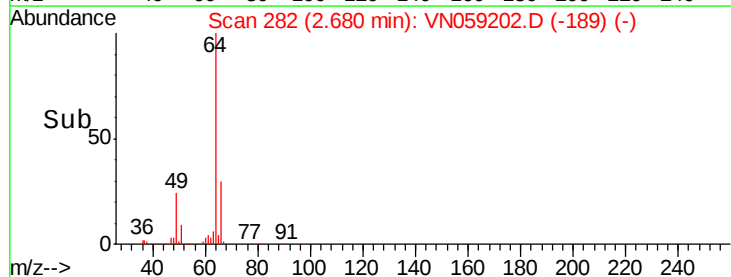
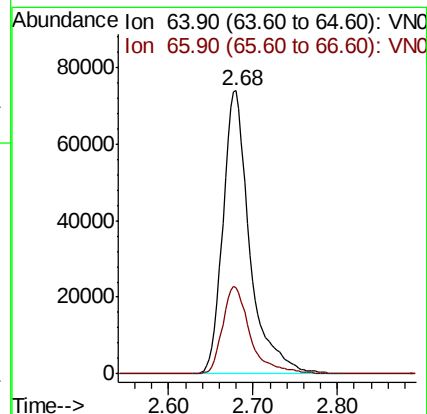
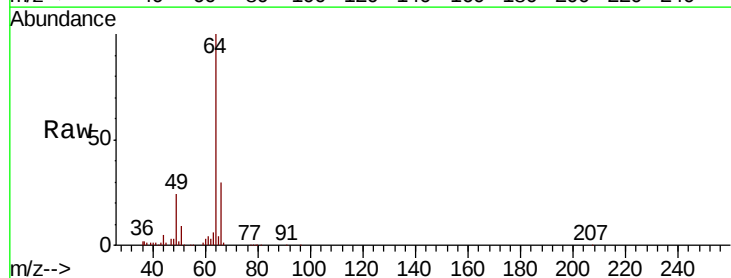
Acq: 12 Nov 2019 19:32

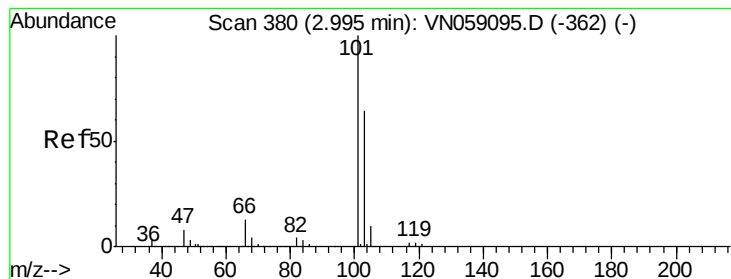
Tgt Ion: 64 Resp: 163503

Ion Ratio Lower Upper

64 100

66 30.5 25.2 37.8



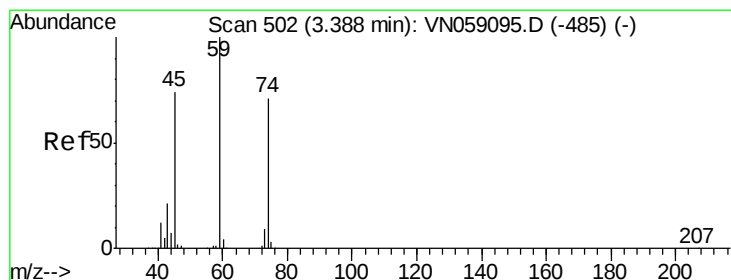
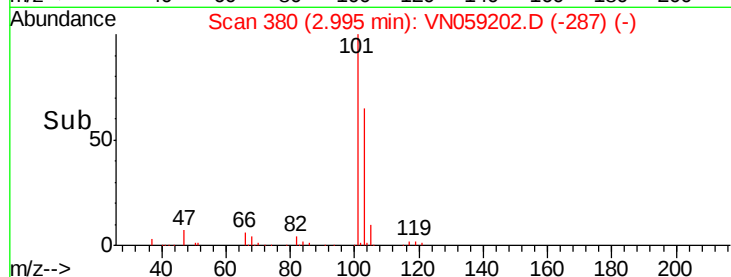
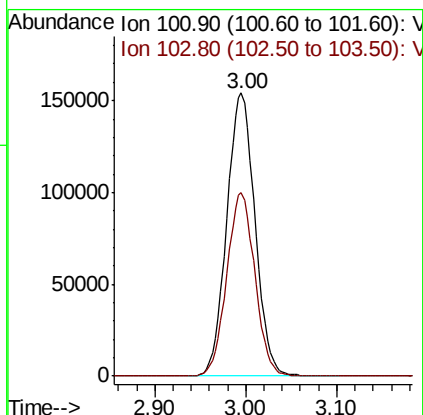
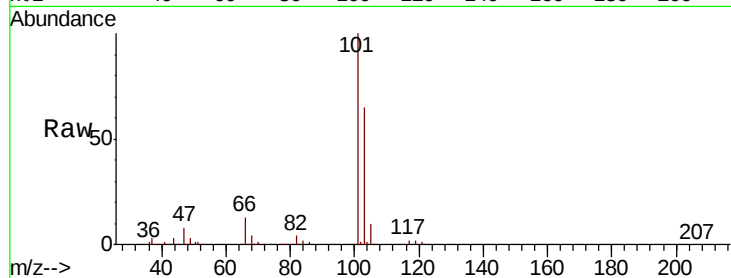


#7

Trichlorofluoromethane
 Concen: 48.239 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN059202.D
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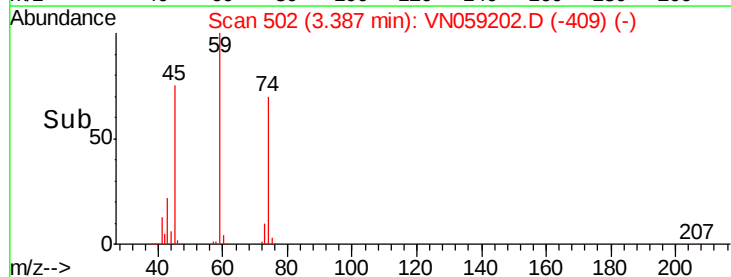
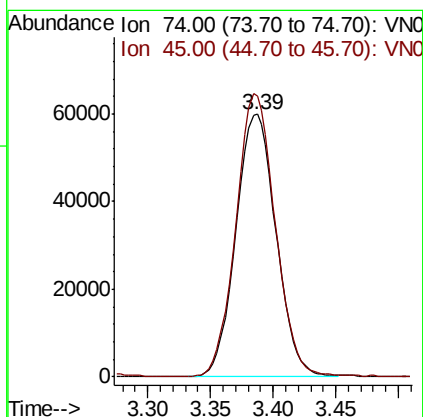
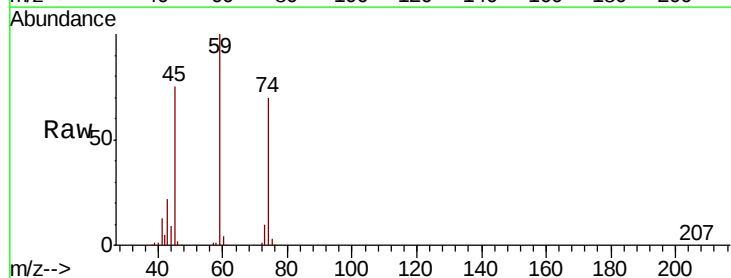
Tot Ion:101 Resp: 332087
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.2 76.8

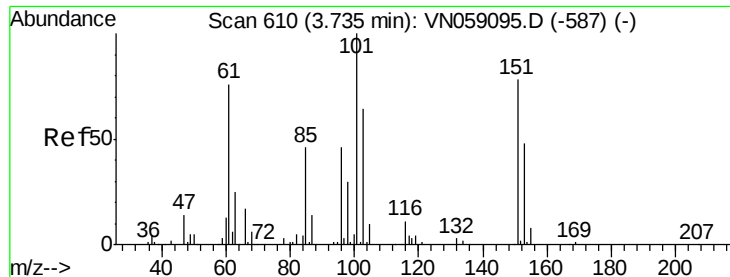


#8

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: 74 Resp: 133652
 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

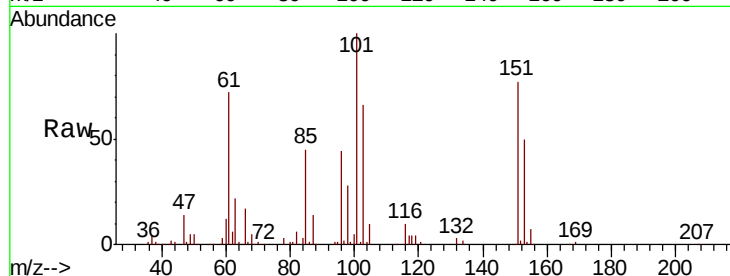
Tot Ion:101 Resp: 200269

Ion Ratio Lower Upper

101 100

85 43.8 35.5 53.3

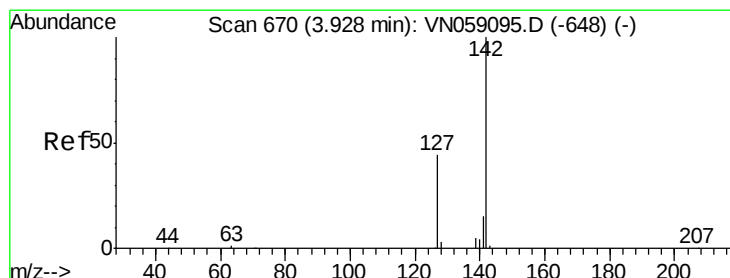
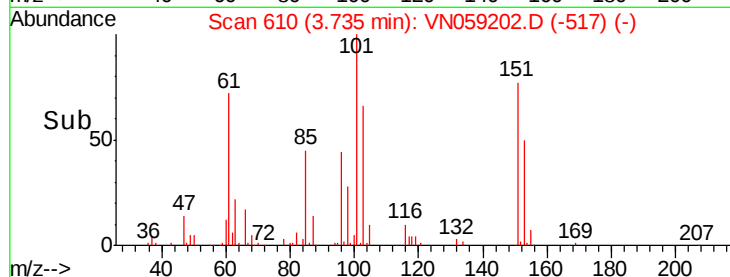
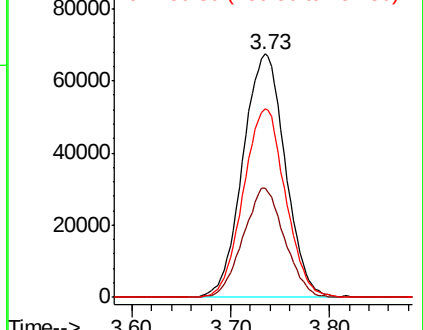
151 77.0 62.2 93.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#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

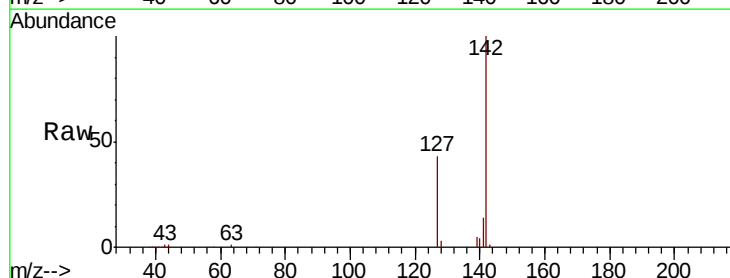
Tgt Ion:142 Resp: 255008

Ion Ratio Lower Upper

142 100

127 43.1 34.2 51.2

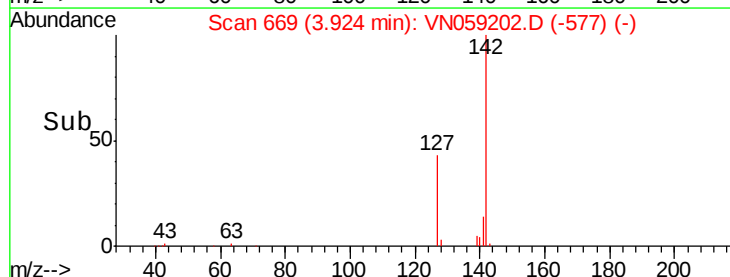
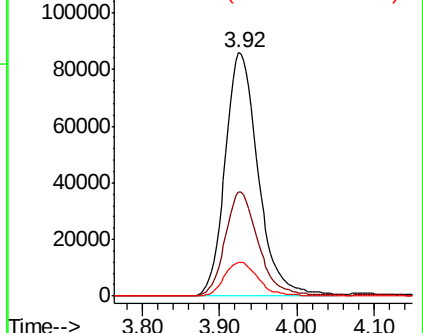
141 14.3 11.4 17.0

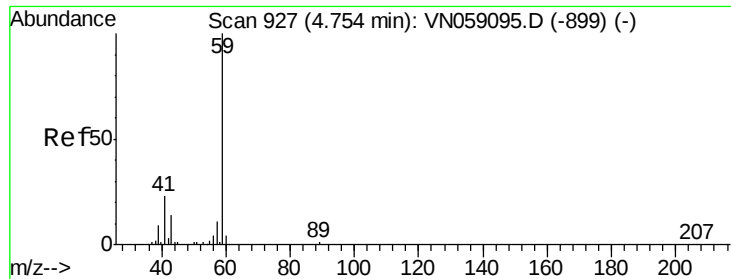


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



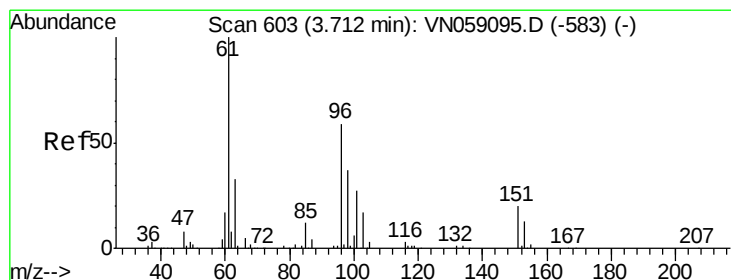
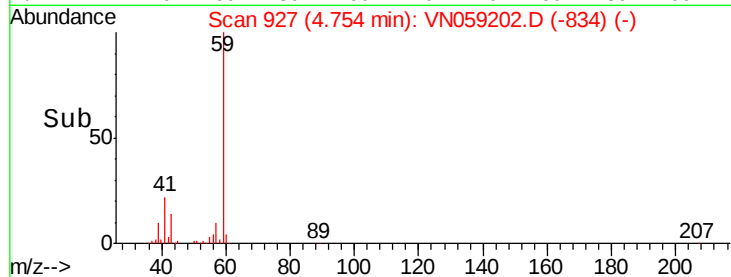
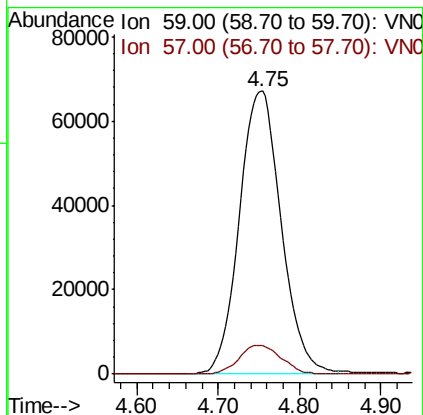
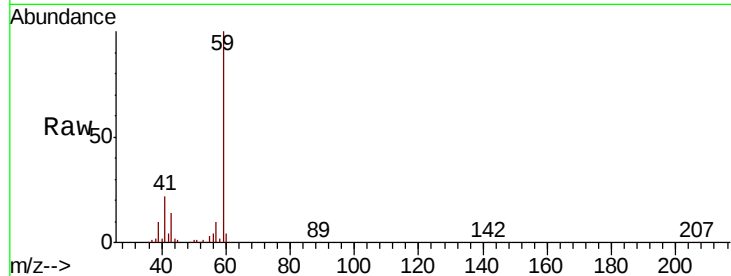


#11

Tert butyl alcohol
 Concen: 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

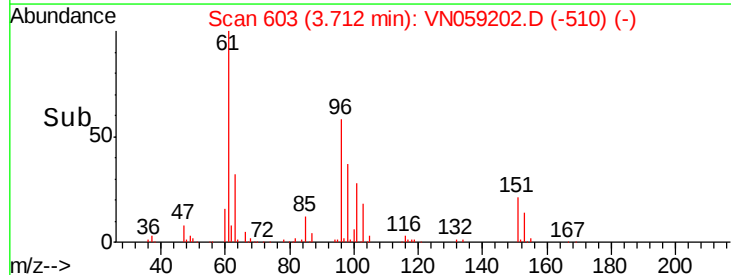
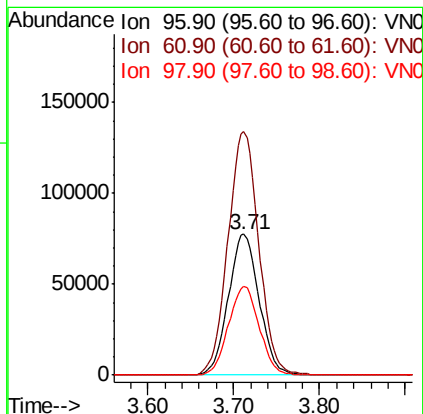
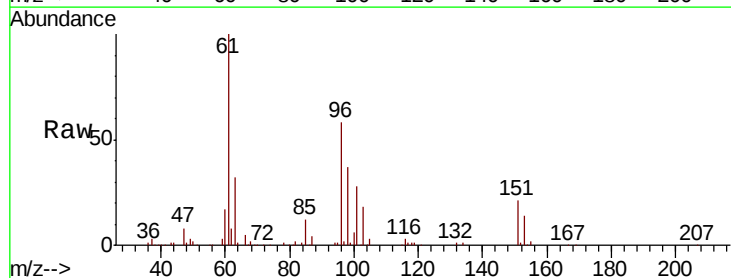
Tot Ion: 59 Resp: 238478
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.3 12.5

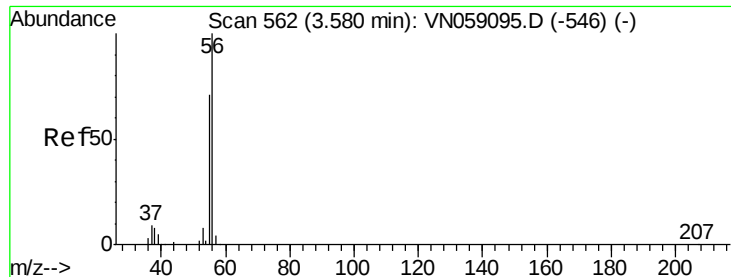


#12

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 Lower Upper
 96 100
 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 :

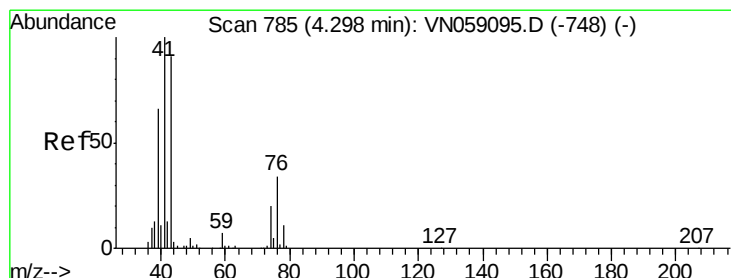
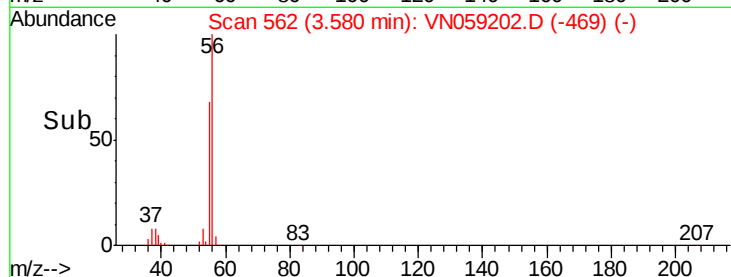
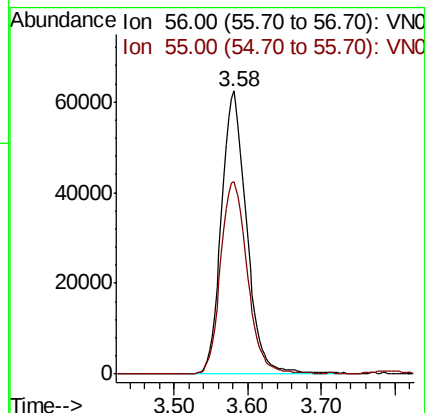
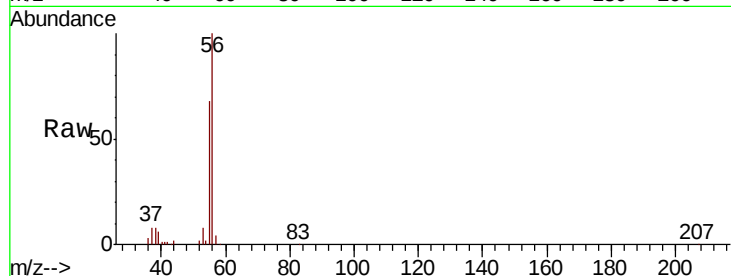
MW-305-SRI4MSD

Tot Ion: 56 Resp: 148372

Ion Ratio Lower Upper

56 100

55 72.6 56.4 84.6



#14

Allyl chloride

Concen: 42.297 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059202.D

Acq: 12 Nov 2019 19:32

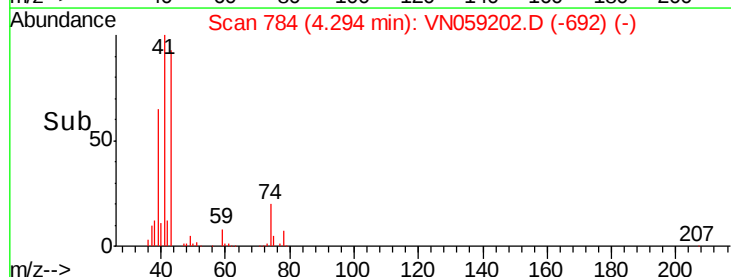
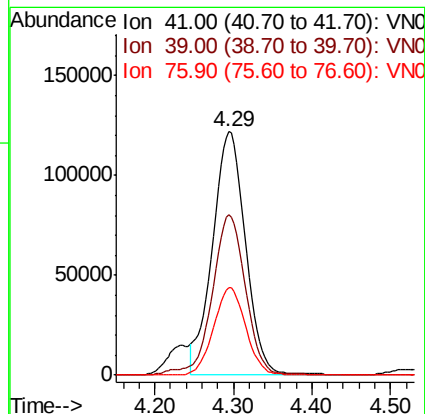
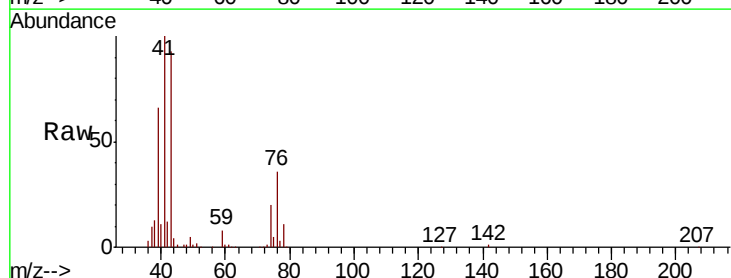
Tgt Ion: 41 Resp: 351304

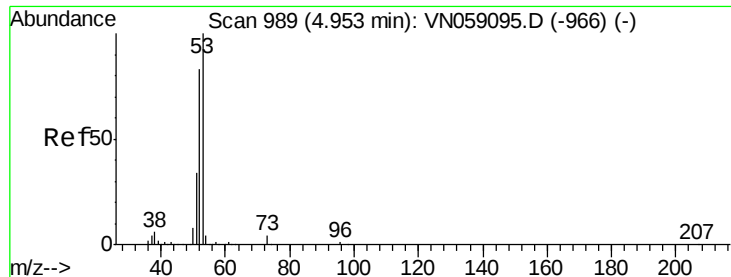
Ion Ratio Lower Upper

41 100

39 66.6 49.1 73.7

76 35.0 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

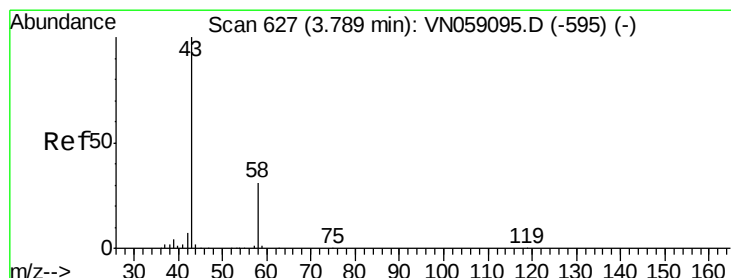
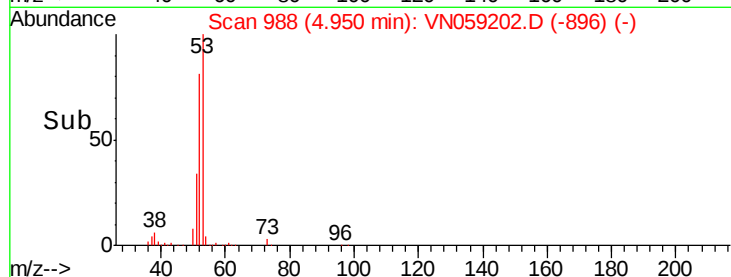
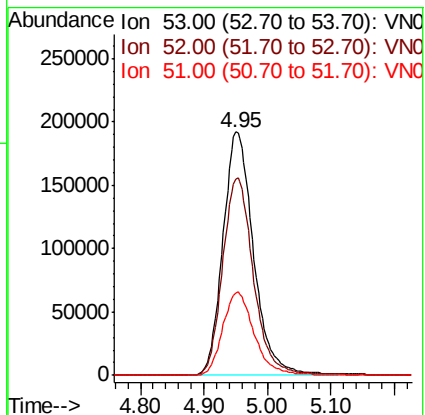
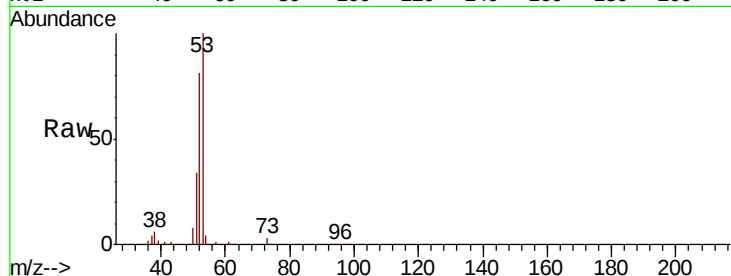
Tot Ion: 53 Resp: 643775

Ion Ratio Lower Upper

53 100

52 81.2 65.0 97.6

51 35.3 28.0 42.0



#16

Acetone

Concen: 194.620 ug/l

RT: 3.79 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN059202.D

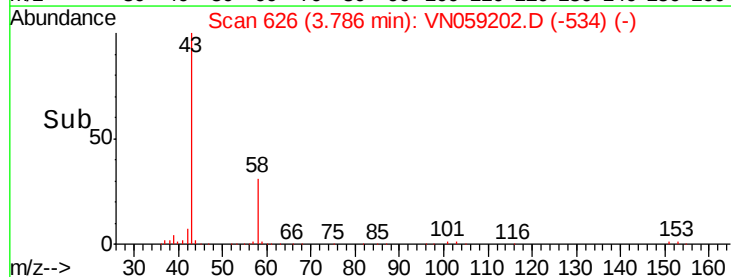
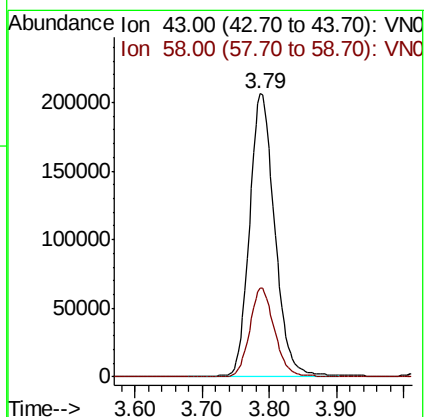
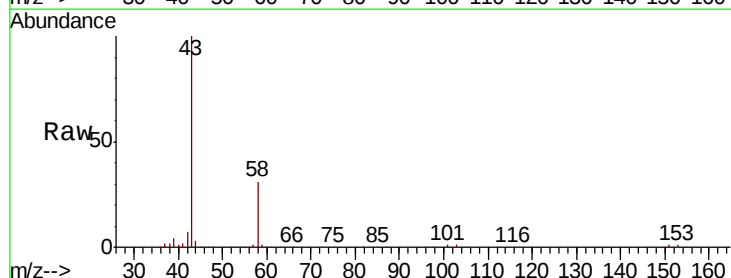
Acq: 12 Nov 2019 19:32

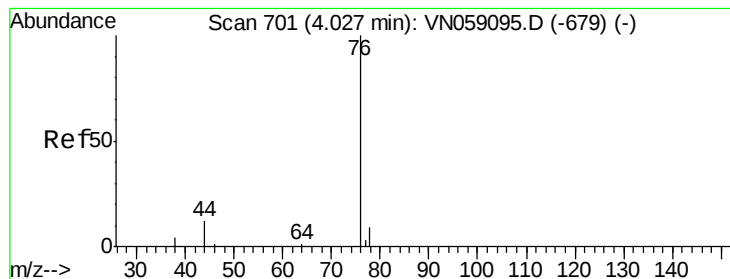
Tgt Ion: 43 Resp: 539242

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 :

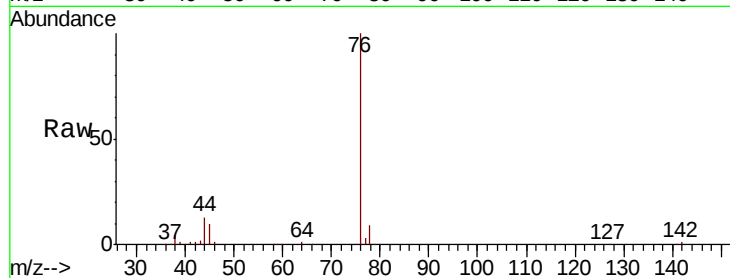
MW-305-SRI4MSD

Tot Ion: 76 Resp: 539675

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.03

200000

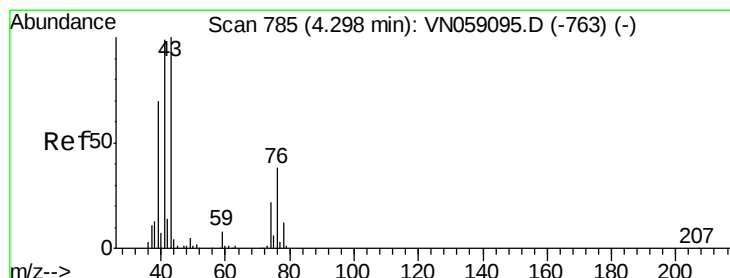
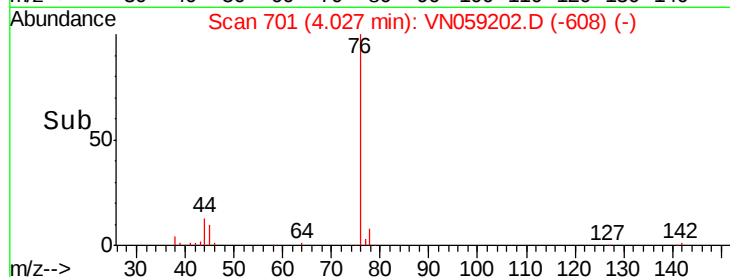
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 48.531 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059202.D

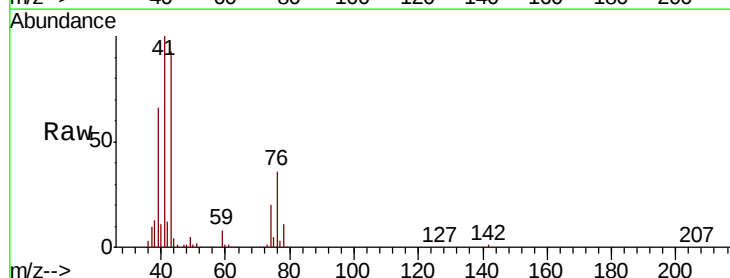
Acq: 12 Nov 2019 19:32

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): VNC

Ion 74.00 (73.70 to 74.70): VNC

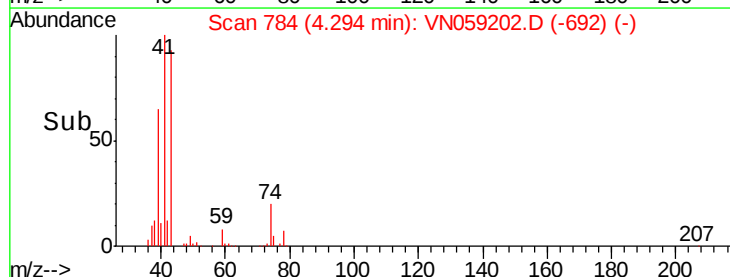
4.29

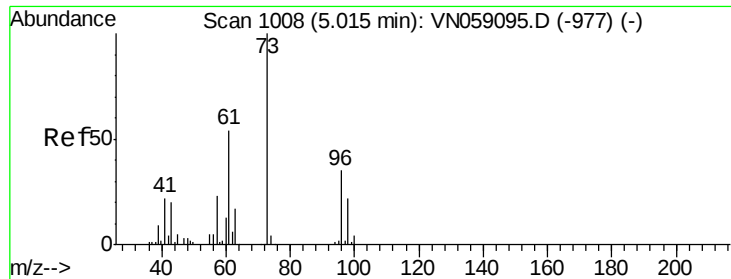
100000

50000

0

Time-->

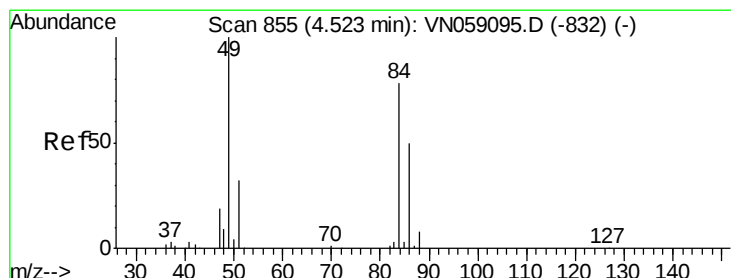
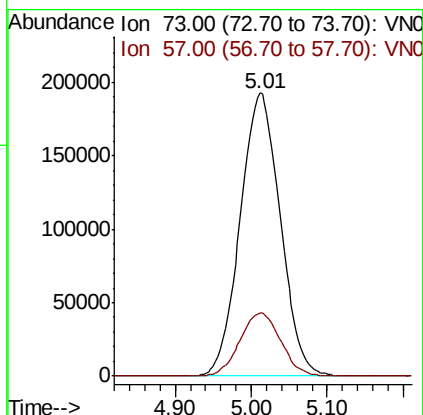
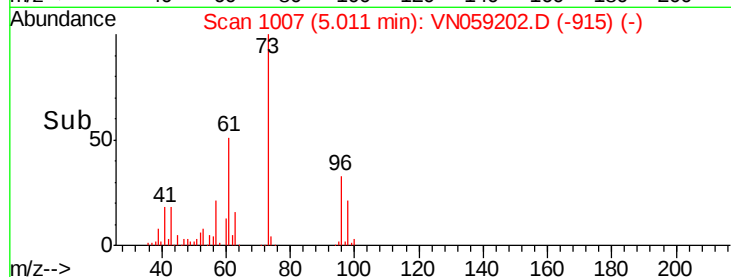
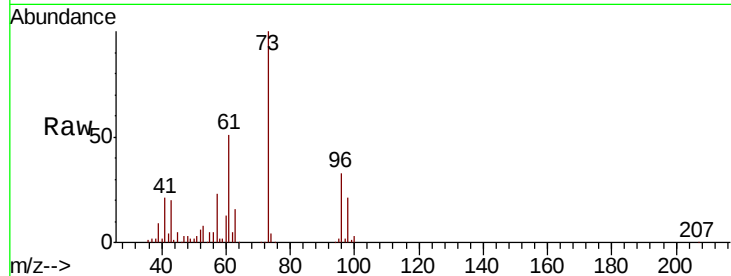




#19
Methvl tert-butvl Ether
Concen: 50.792 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059202.D
Acq: 12 Nov 2019 19:32

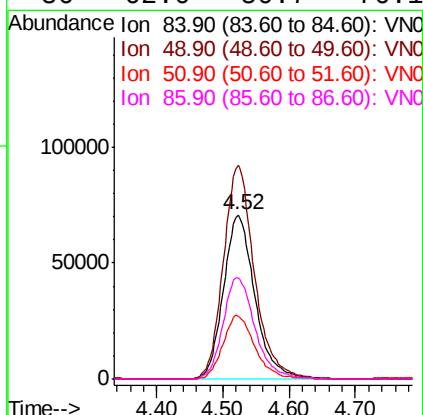
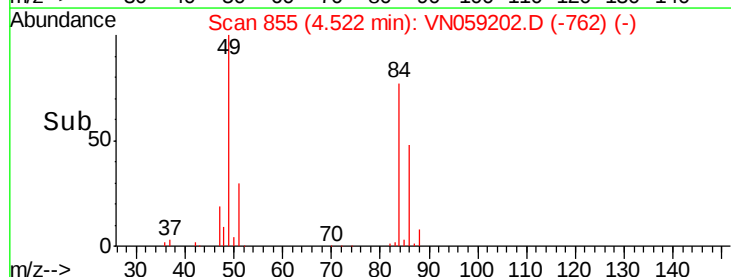
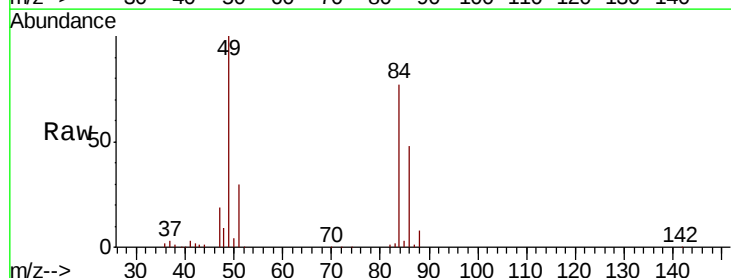
Instrument :
MSVOA_N
ClientSampleId :
MW-305-SRI4MSD

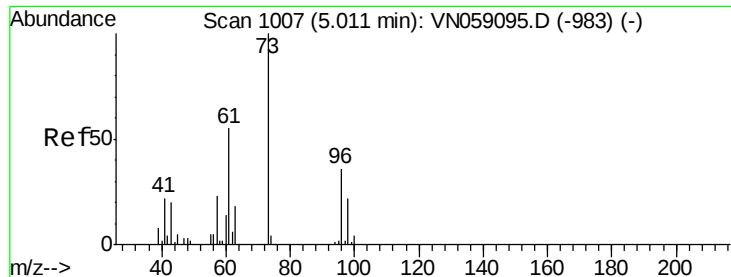
Tot Ion: 73 Resp: 707060
Ion Ratio Lower Upper
73 100
57 22.5 18.4 27.6



#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

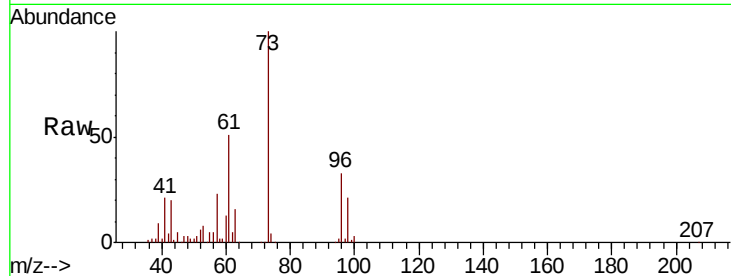
Tot Ion: 96 Resp: 210304

Ion Ratio Lower Upper

96 100

61 153.4 122.6 183.8

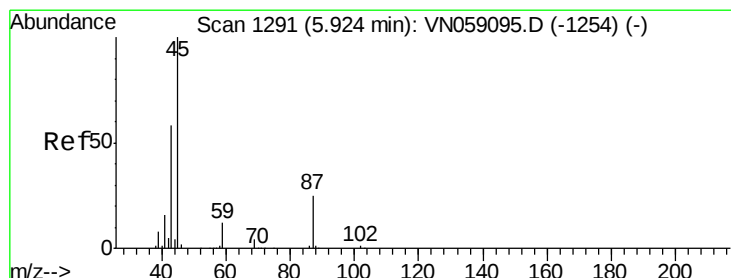
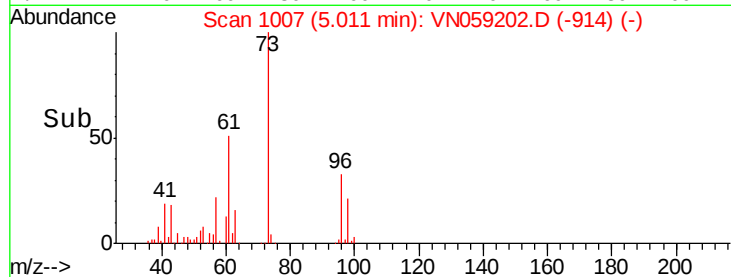
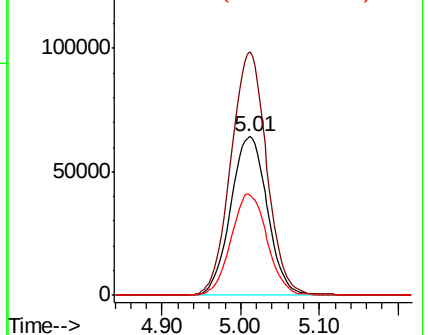
98 63.1 50.3 75.5



Abundance Ion 95.90 (95.60 to 96.60): VN059202.D (-914) (-)

Ion 60.90 (60.60 to 61.60): VN059202.D (-914) (-)

Ion 97.90 (97.60 to 98.60): VN059202.D (-914) (-)



#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: 45 Resp: 792720

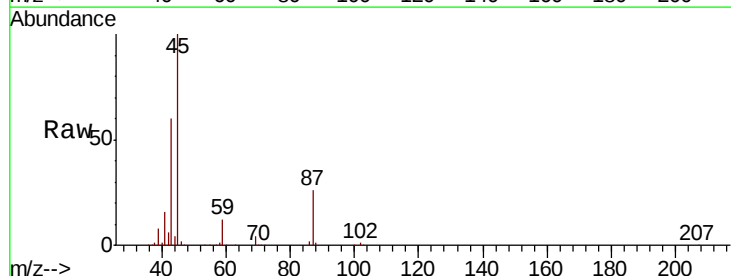
Ion Ratio Lower Upper

45 100

43 59.6 46.7 70.1

87 25.9 20.5 30.7

59 11.5 9.6 14.4

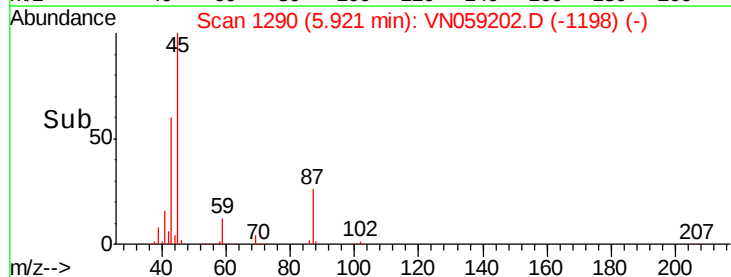
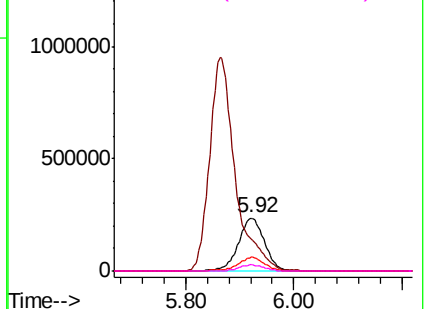


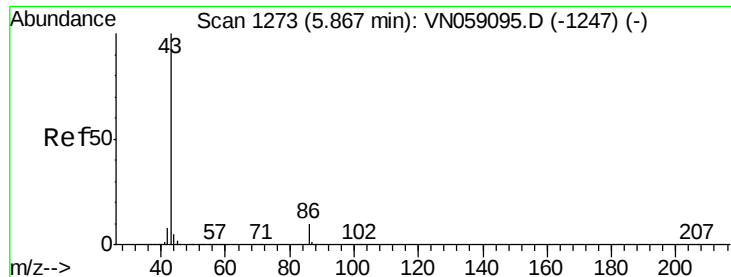
Abundance Ion 45.00 (44.70 to 45.70): VN059202.D (-1198) (-)

Ion 43.00 (42.70 to 43.70): VN059202.D (-1198) (-)

Ion 87.00 (86.70 to 87.70): VN059202.D (-1198) (-)

Ion 59.00 (58.70 to 59.70): VN059202.D (-1198) (-)





#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 :

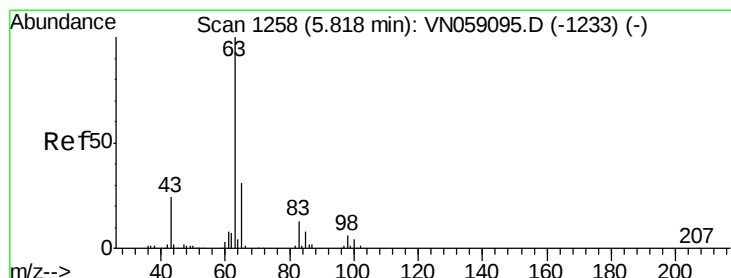
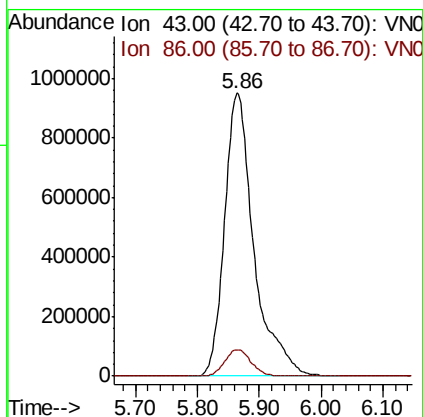
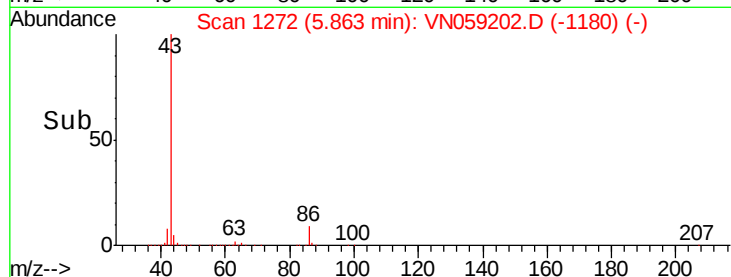
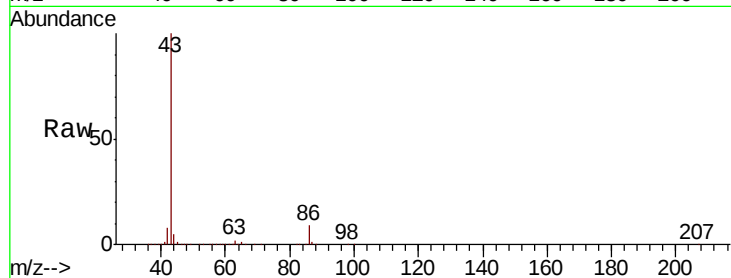
MW-305-SRI4MSD

Tot Ion: 43 Resp: 3133120

Ion Ratio Lower Upper

43 100

86 9.4 7.7 11.5



#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

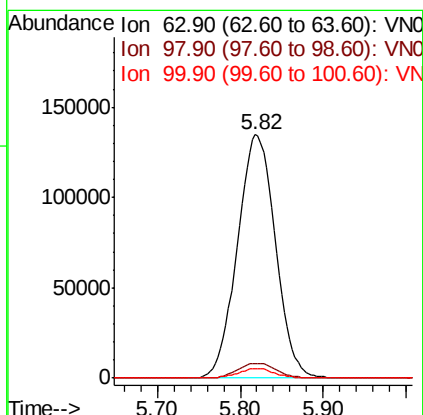
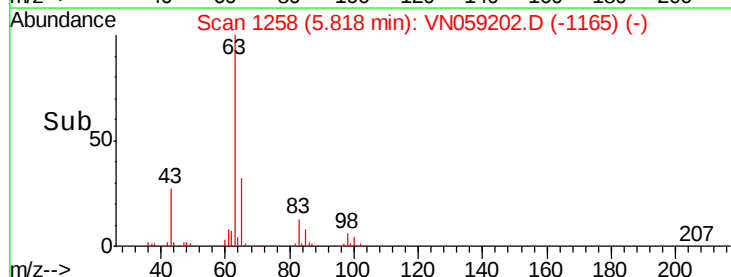
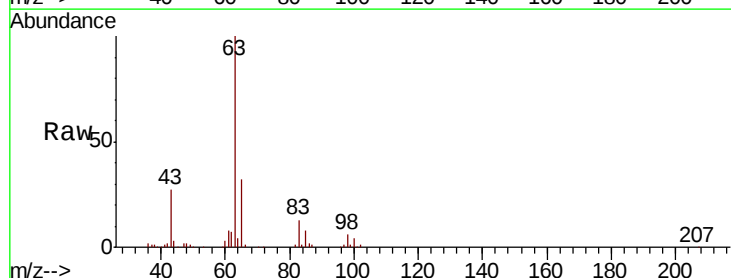
Tgt Ion: 63 Resp: 429619

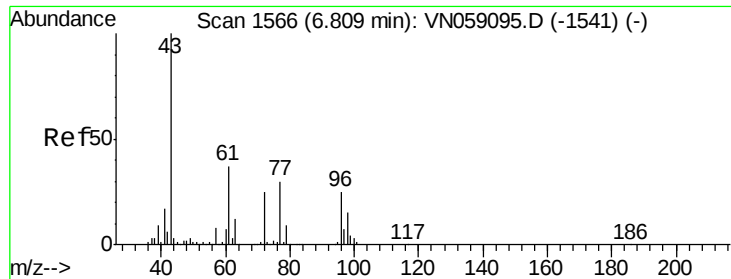
Ion Ratio Lower Upper

63 100

98 6.1 2.8 8.4

100 4.1 1.9 5.7





#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 :

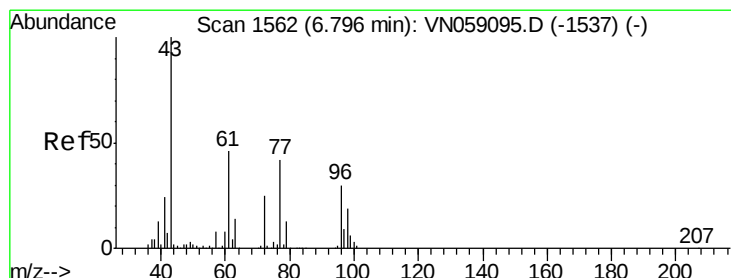
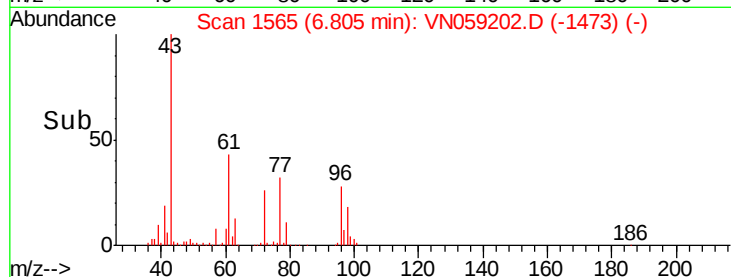
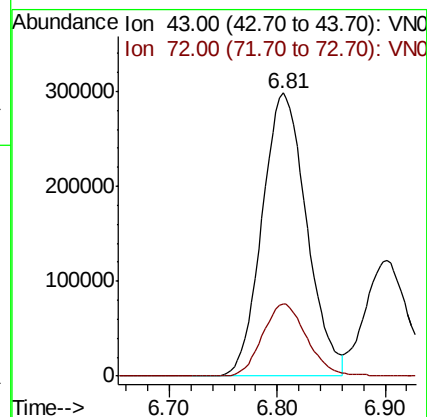
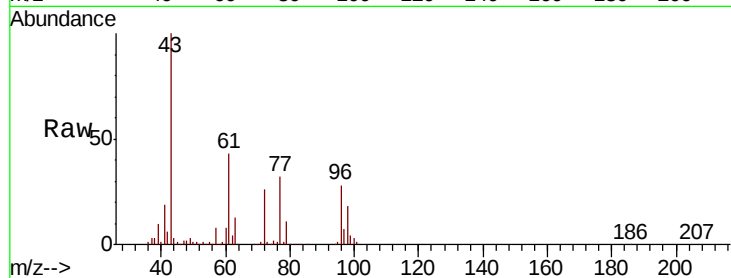
MW-305-SRI4MSD

Tot Ion: 43 Resp: 850115

Ion Ratio Lower Upper

43 100

72 25.5 20.3 30.5



#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

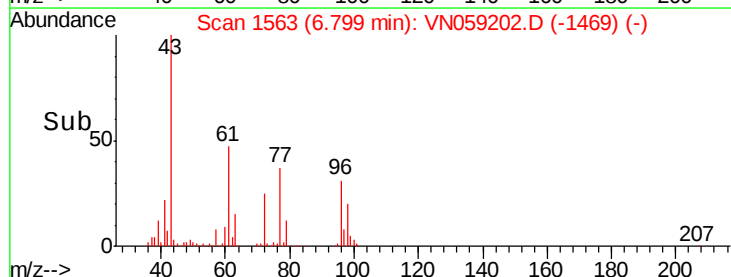
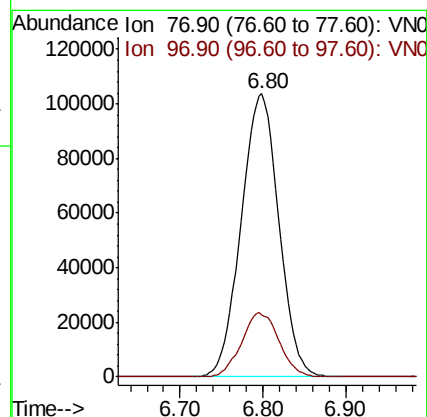
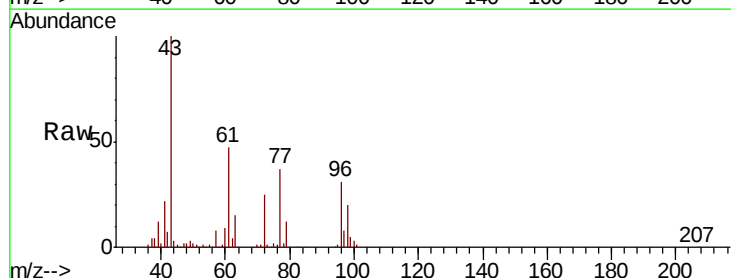
Acq: 12 Nov 2019 19:32

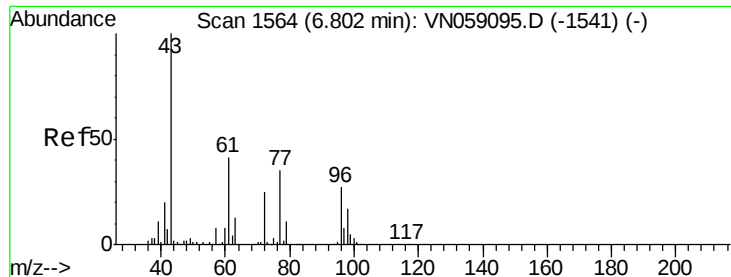
Tgt Ion: 77 Resp: 326940

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

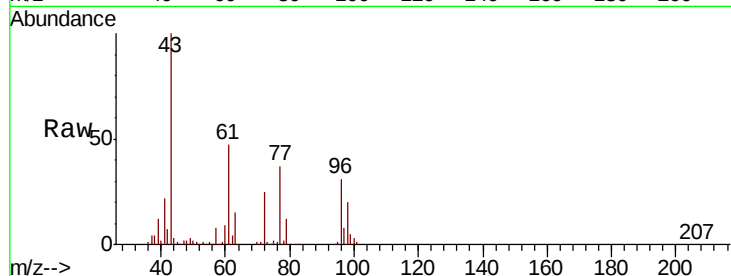
Tot Ion: 96 Resp: 253414

Ion Ratio Lower Upper

96 100

61 151.0 0.0 311.6

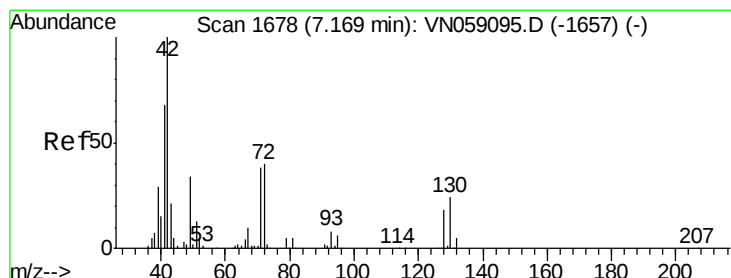
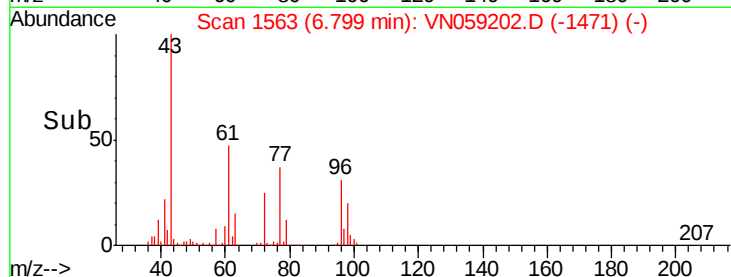
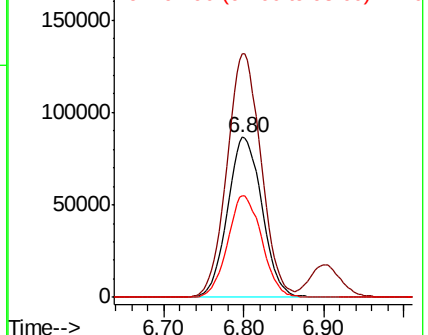
98 63.0 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 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

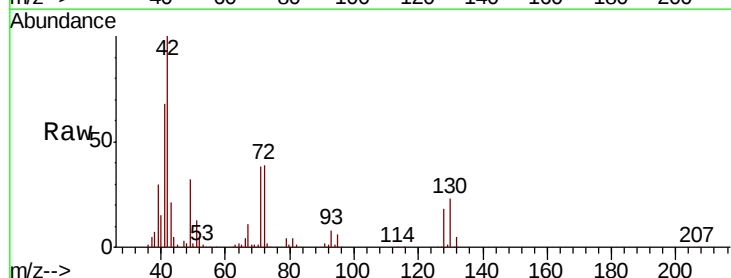
Tgt Ion: 49 Resp: 129406

Ion Ratio Lower Upper

49 100

129 1.6 0.0 3.8

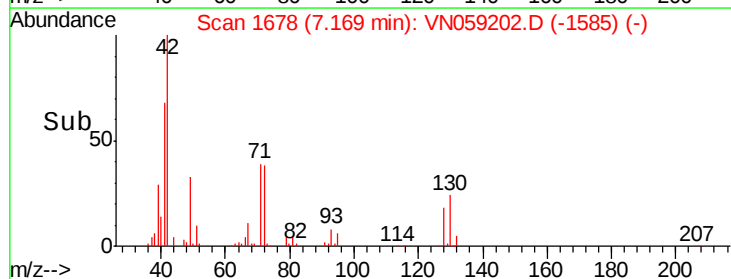
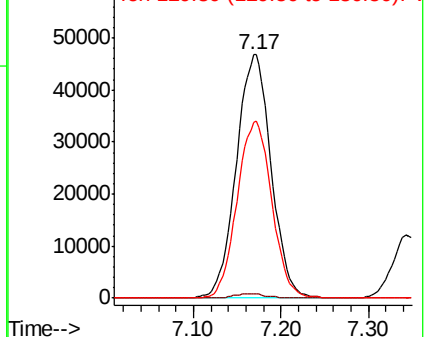
130 72.0 55.6 83.4

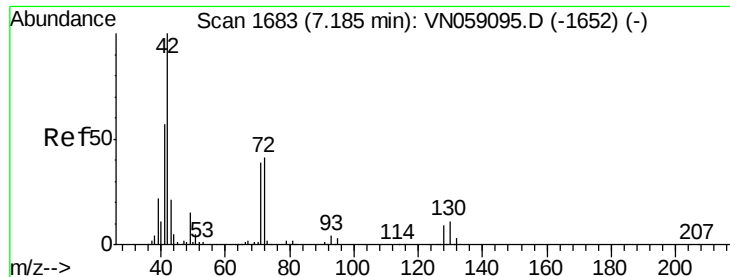


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 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

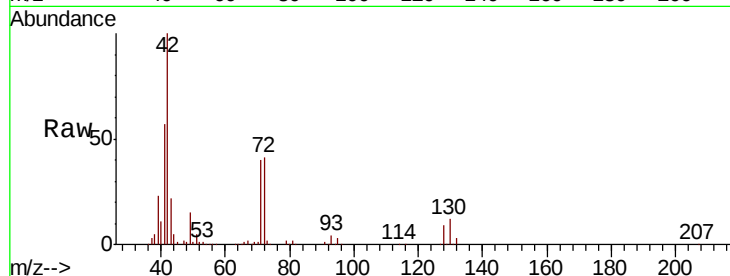
Tot Ion: 42 Resp: 579246

Ion Ratio Lower Upper

42 100

72 40.8 33.1 49.7

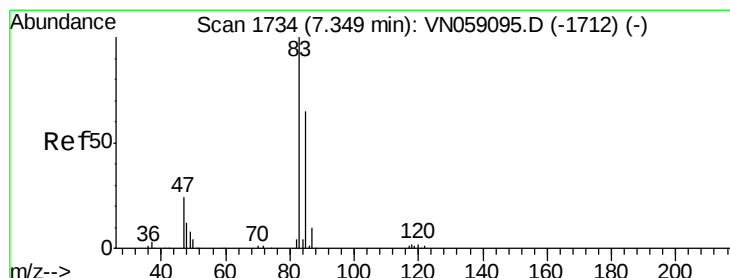
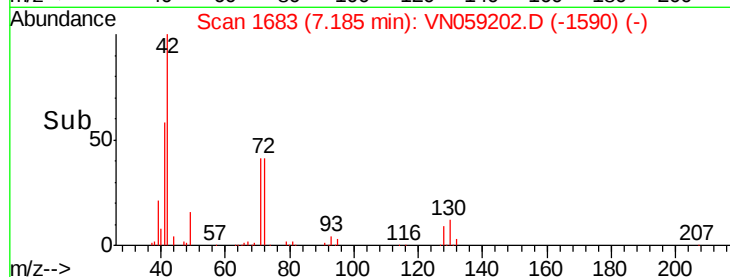
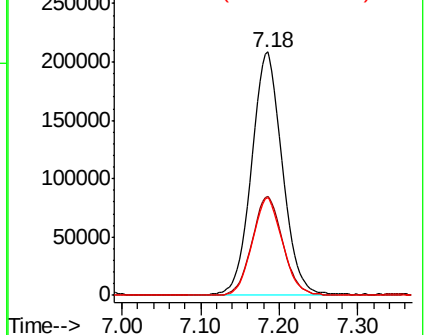
71 39.3 30.9 46.3



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 49.551 ug/l

RT: 7.35 min Scan# 1734

Delta R.T. -0.00 min

Lab File: VN059202.D

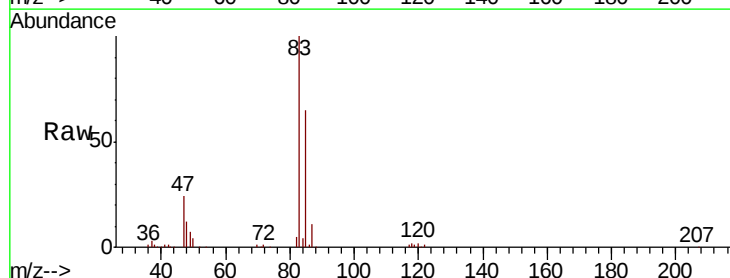
Acq: 12 Nov 2019 19:32

Tgt Ion: 83 Resp: 416494

Ion Ratio Lower Upper

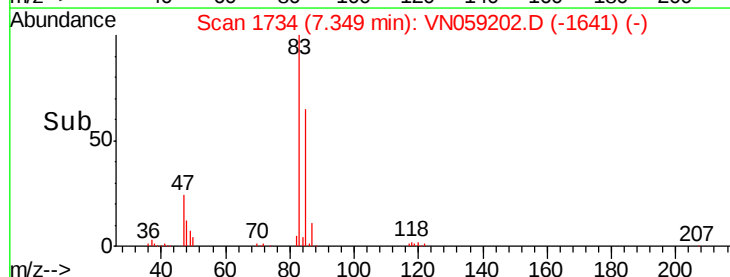
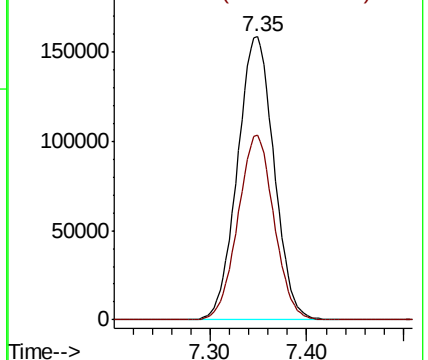
83 100

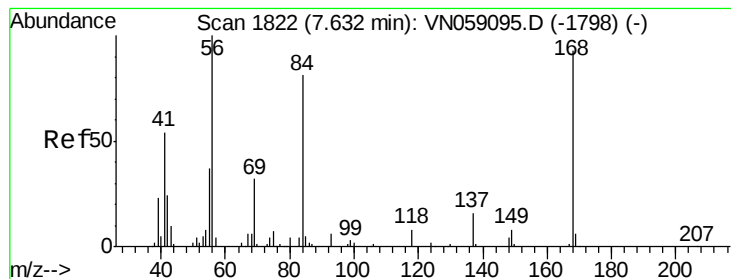
85 65.1 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#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

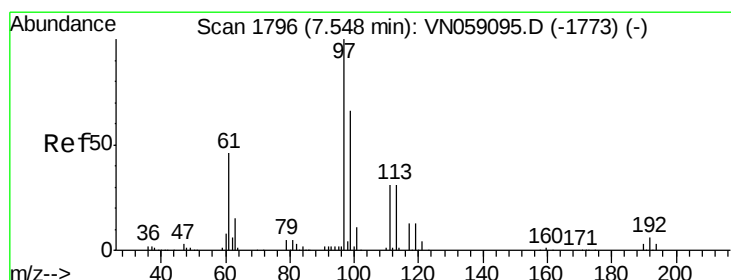
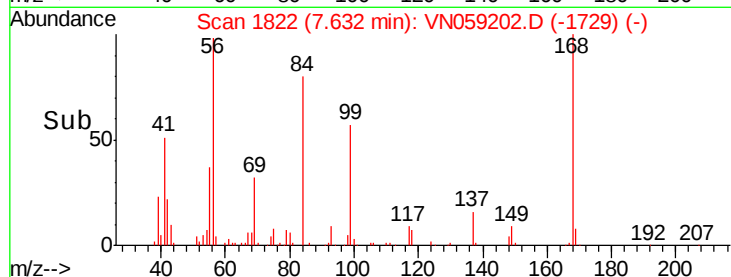
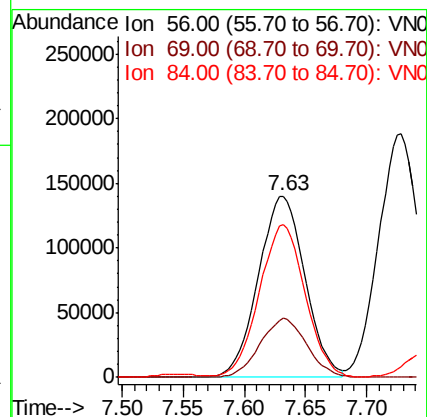
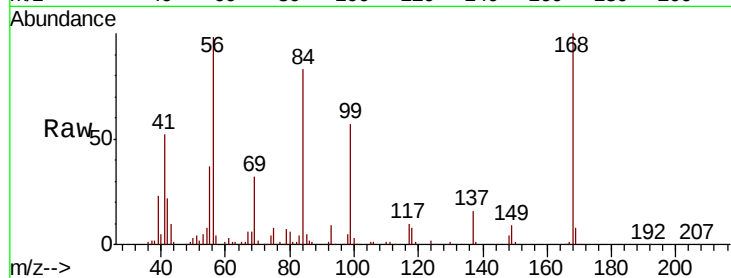
Tot Ion: 56 Resp: 372487

Ion Ratio Lower Upper

56 100

69 32.6 25.8 38.8

84 83.1 65.0 97.4



#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

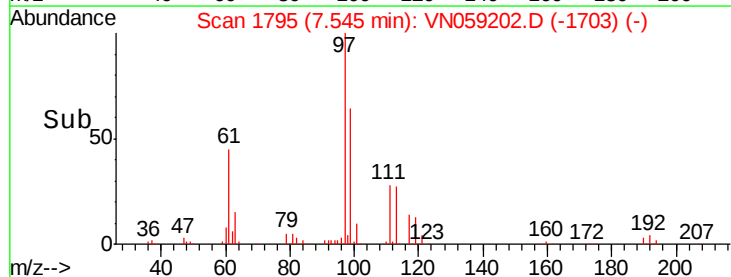
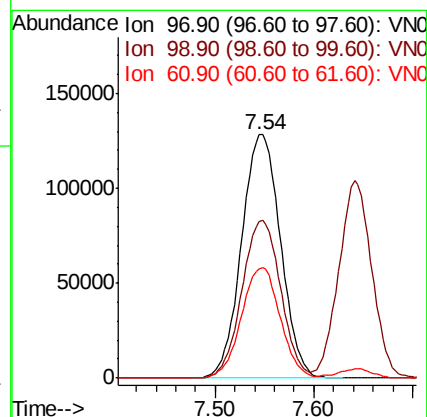
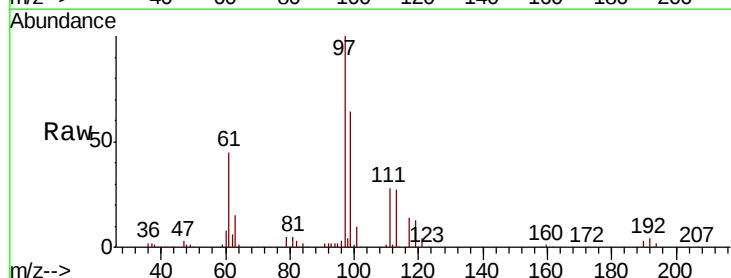
Tgt Ion: 97 Resp: 351097

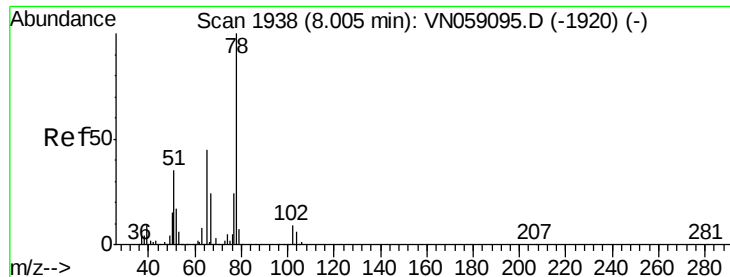
Ion Ratio Lower Upper

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 :

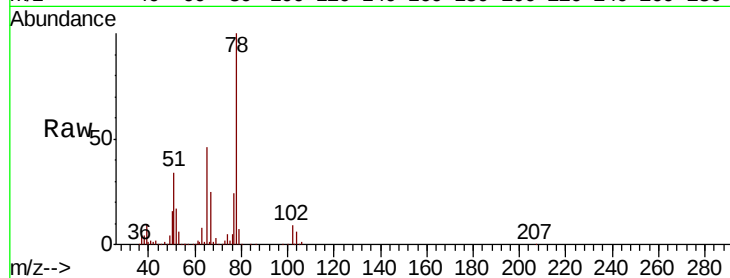
MW-305-SRI4MSD

Tot Ion: 65 Resp: 266236

Ion Ratio Lower Upper

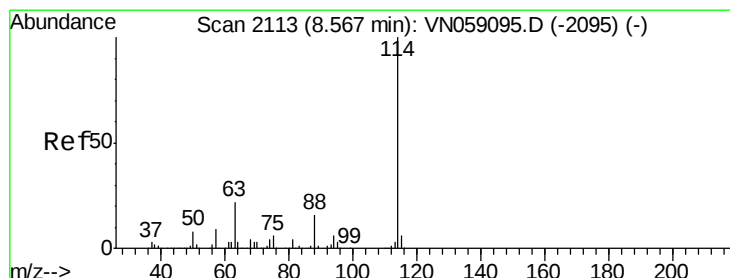
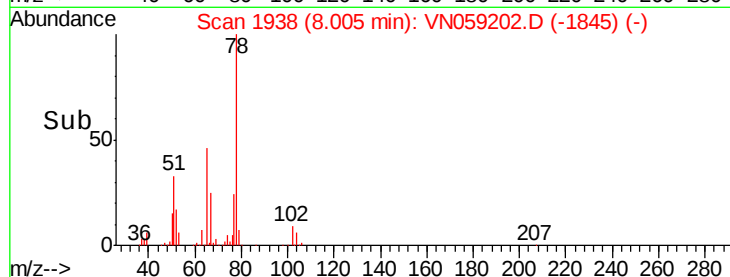
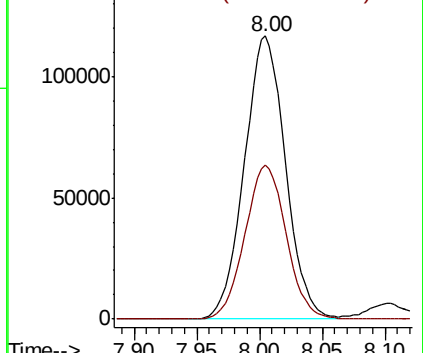
65 100

67 54.6 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#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

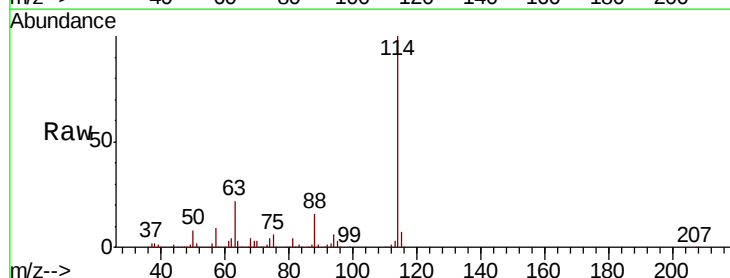
Tgt Ion: 114 Resp: 681648

Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.4

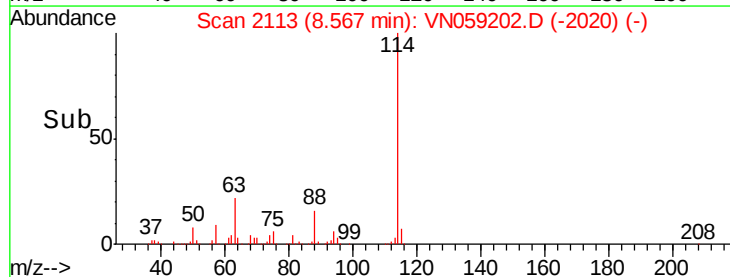
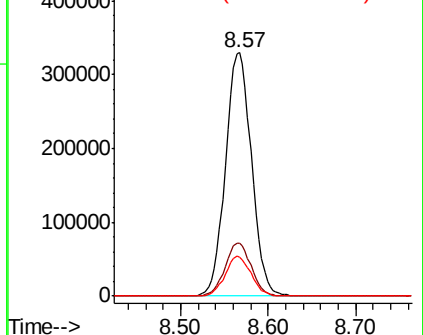
88 16.0 0.0 32.2

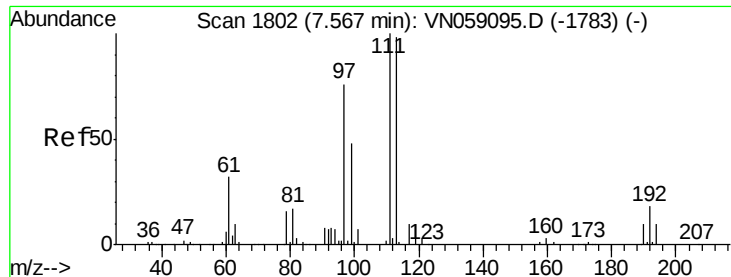


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

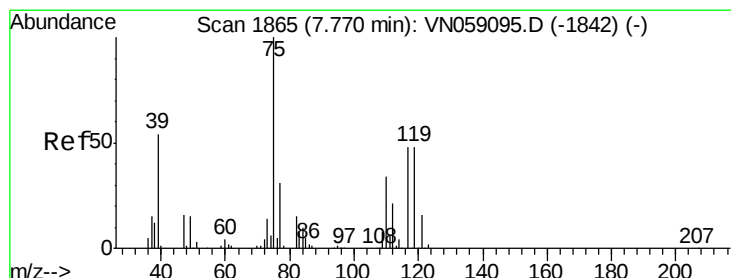
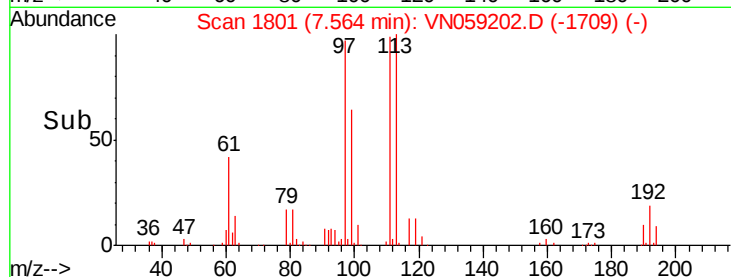
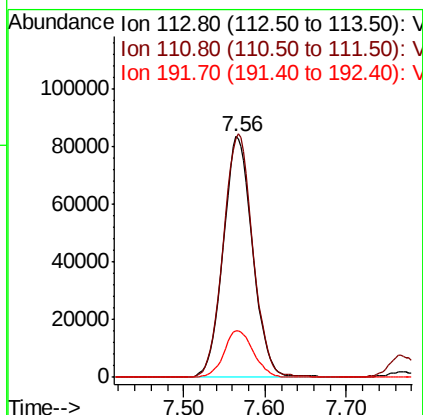
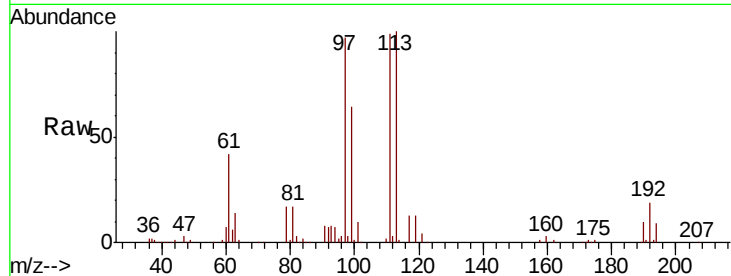




#35
 Dibromofluoromethane
 Concen: 51.802 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059202.D
 Acq: 12 Nov 2019 19:32

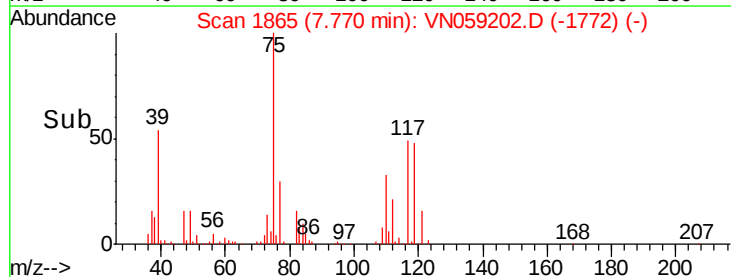
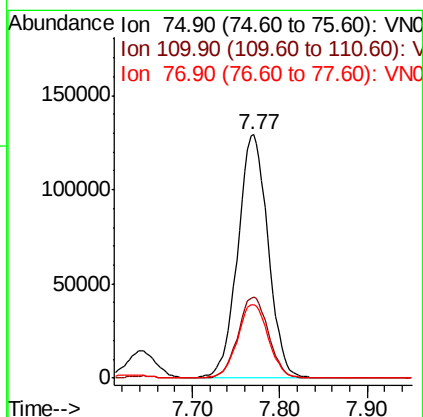
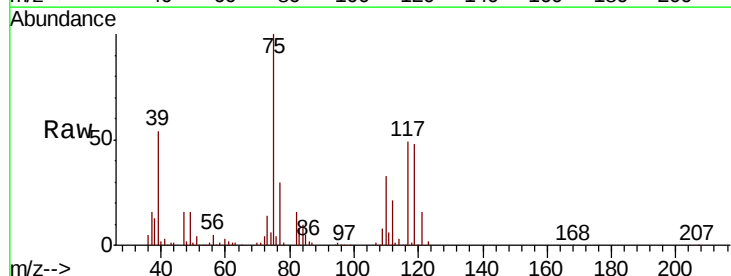
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-305-SRI4MSD

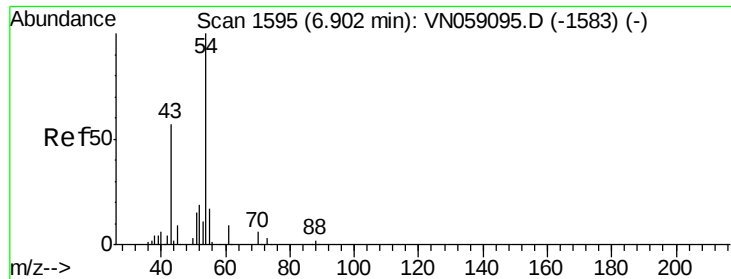
Tot Ion:113 Resp: 210838
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.8 124.2
 192 19.5 16.1 24.1



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

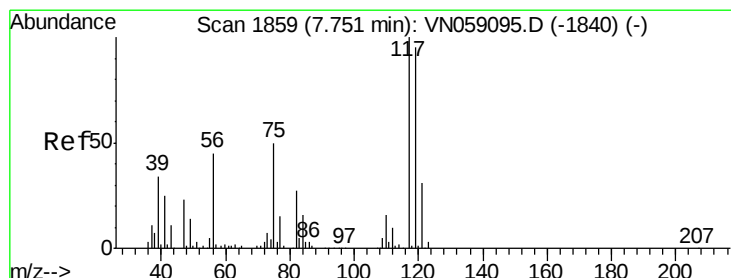
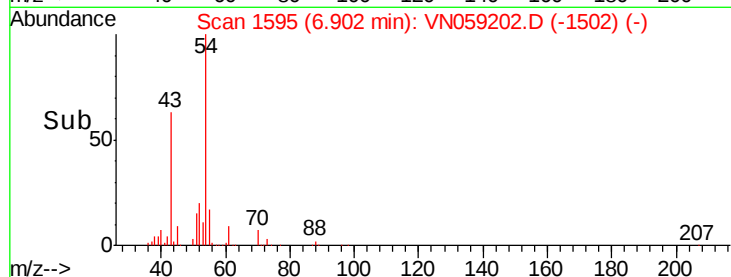
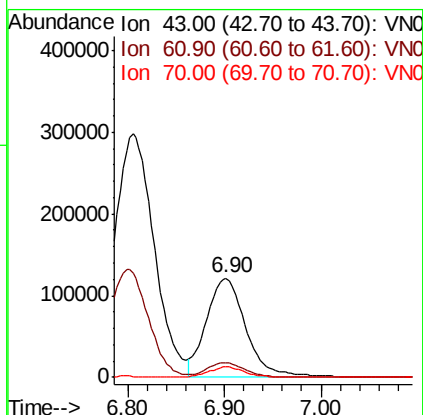
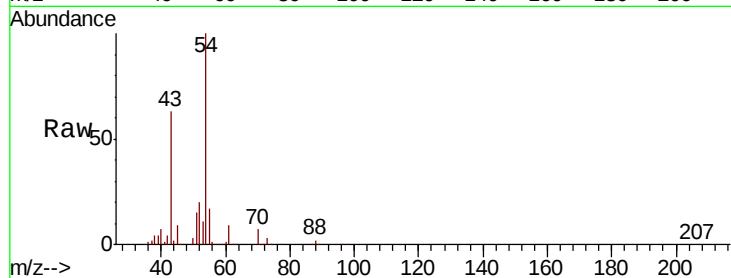




#37
Ethyl Acetate
Concen: 47.663 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN059202.D
Acq: 12 Nov 2019 19:32

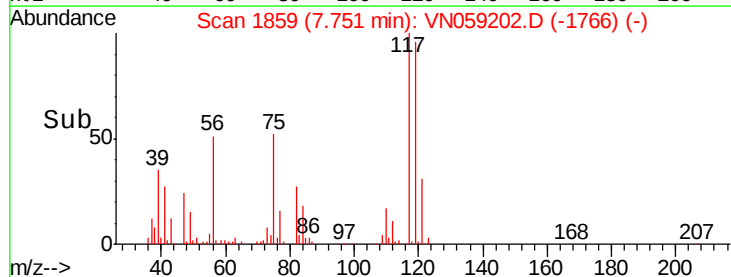
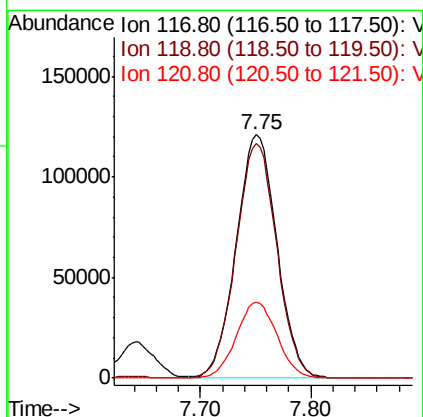
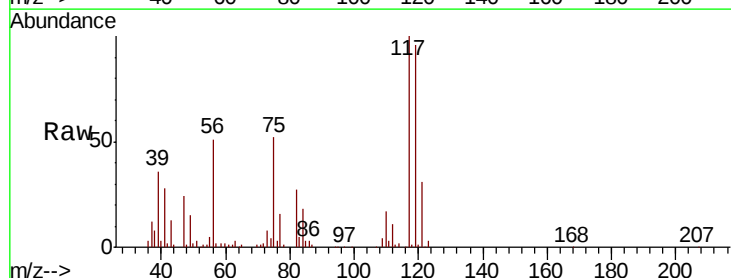
Instrument :
MSVOA_N
ClientSampleId :
MW-305-SRI4MSD

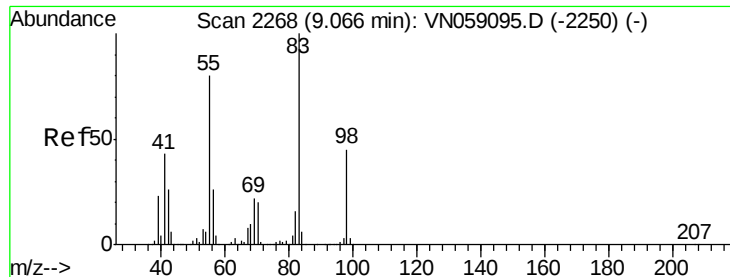
Tot Ion: 43 Resp: 337837
Ion Ratio Lower Upper
43 100
61 14.7 11.2 16.8
70 10.0 7.8 11.8



#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: 117 Resp: 309739
Ion Ratio Lower Upper
117 100
119 96.0 75.6 113.4
121 31.2 24.6 36.8

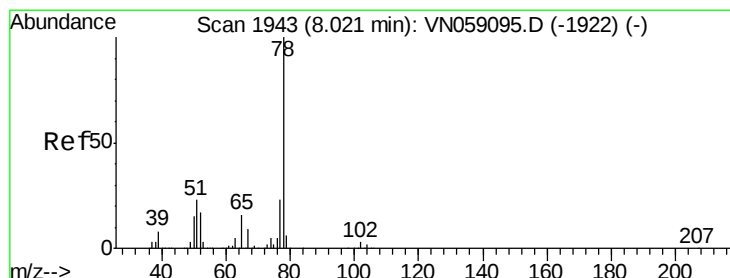
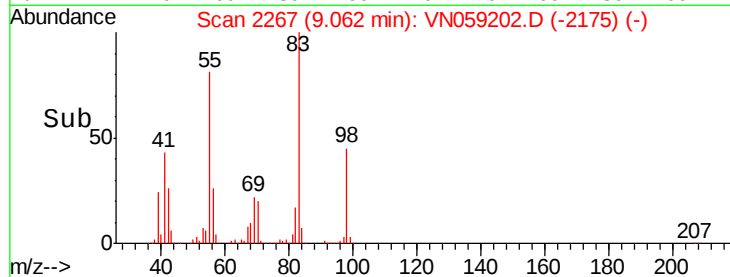
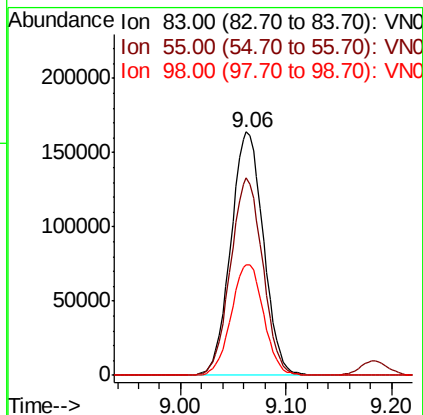
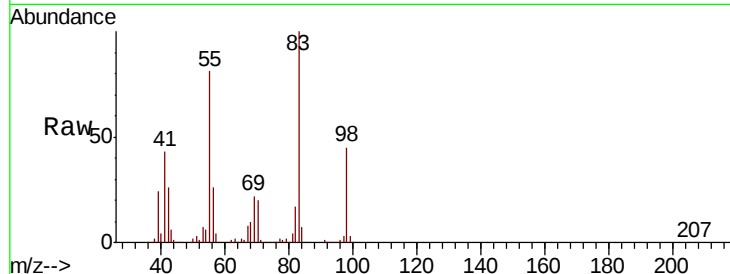




#39
Methvlcvclohexane
Concen: 47.407 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059202.D
Acq: 12 Nov 2019 19:32

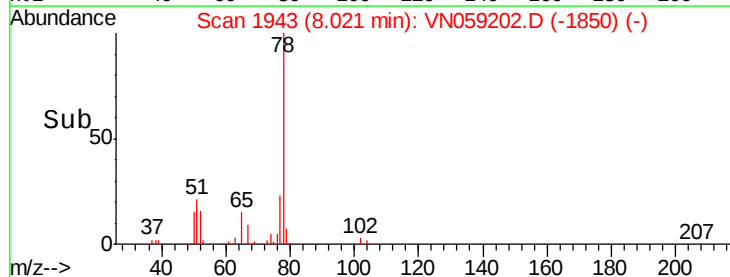
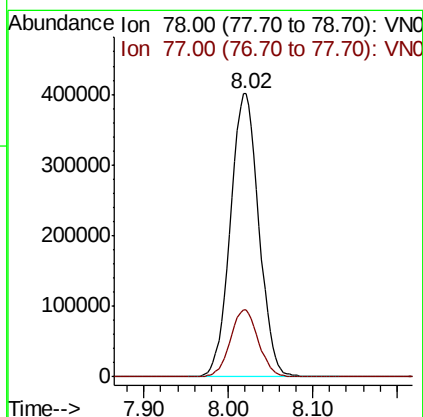
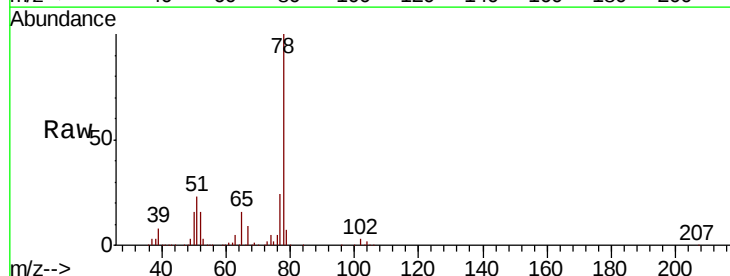
Instrument :
MSVOA_N
ClientSampleId :
MW-305-SRI4MSD

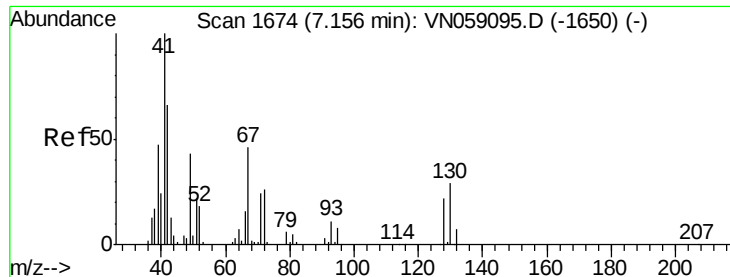
Tot Ion	83	Resp	350552
Ion Ratio	Lower	Upper	
83	100		
55	80.9	63.9	95.9
98	45.5	35.6	53.4



#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	78	Resp	941109
Ion Ratio	Lower	Upper	
78	100		
77	23.5	18.8	28.2

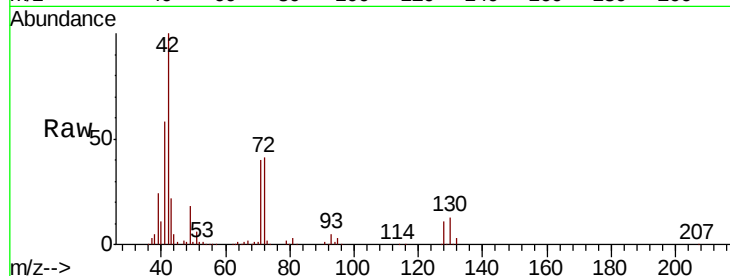




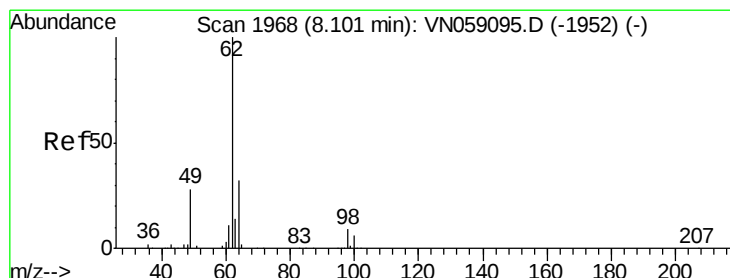
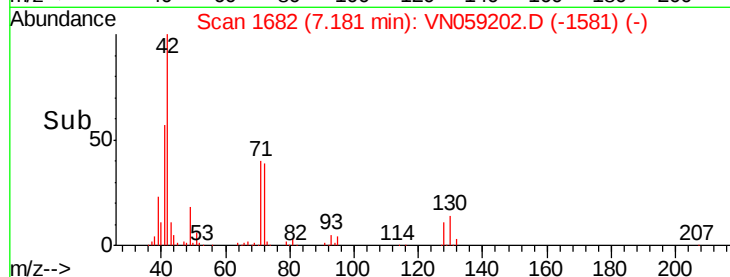
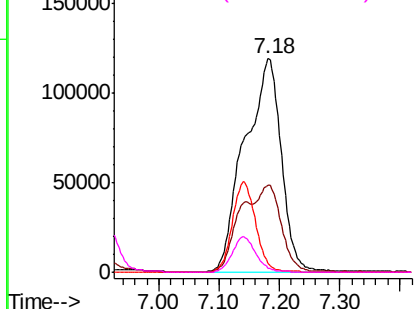
#41
Methacrylonitrile
Concen: 164.622 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.03 min
Lab File: VN059202.D
Acq: 12 Nov 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
MW-305-SRI4MSD

Tot Ion:	41	Resp:	507394
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

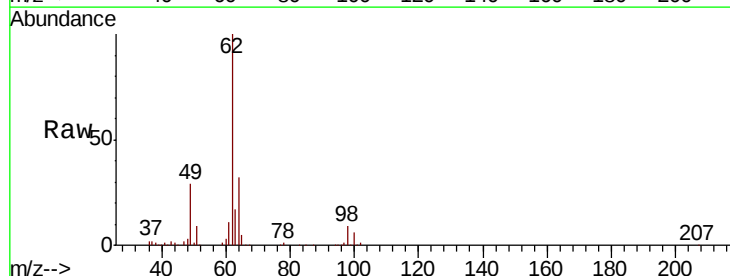


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

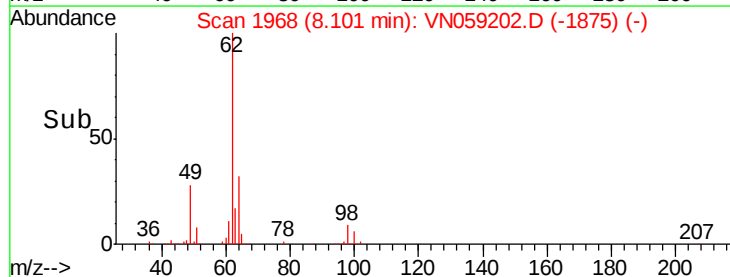
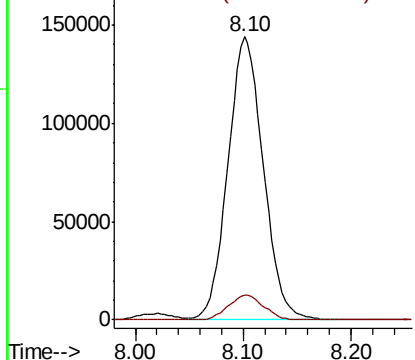


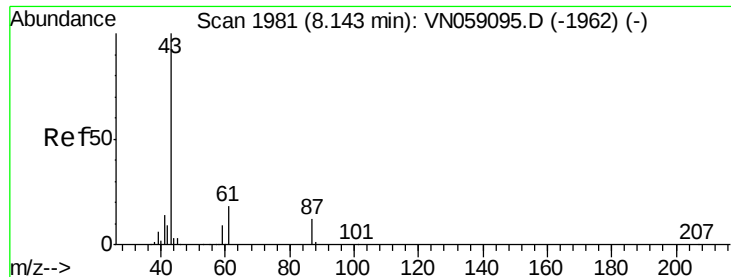
#42
1,2-Dichloroethane
Concen: 49.765 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059202.D
Acq: 12 Nov 2019 19:32

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): VNC
Ion 97.90 (97.60 to 98.60): VNC





#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

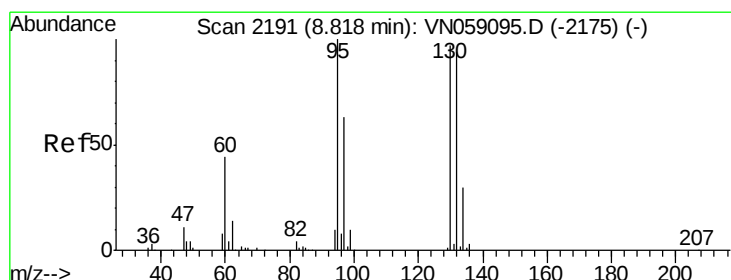
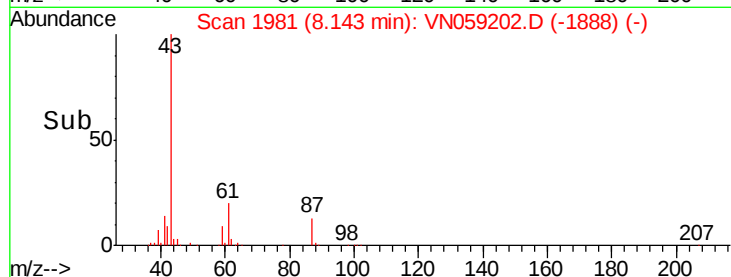
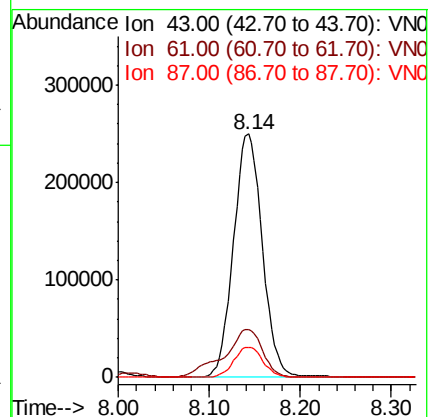
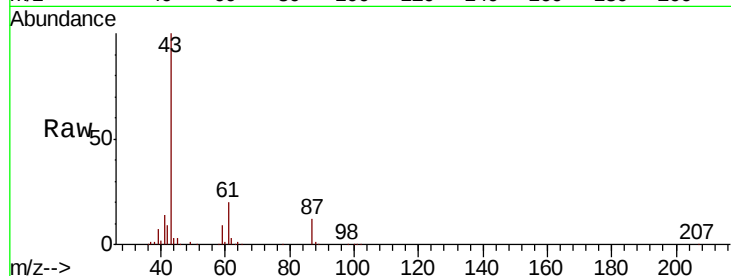
Tot Ion: 43 Resp: 548501

Ion Ratio Lower Upper

43 100

61 26.3 21.0 31.6

87 12.6 9.8 14.6



#44

Trichloroethene

Concen: 50.058 ug/l

RT: 8.81 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VN059202.D

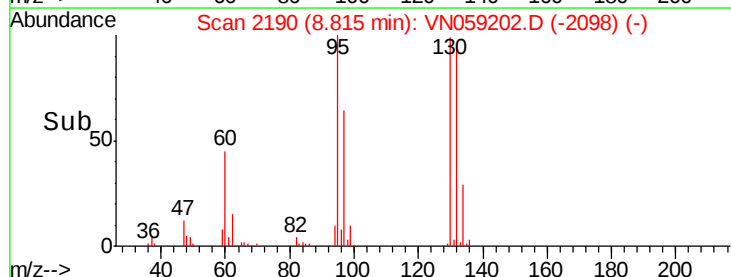
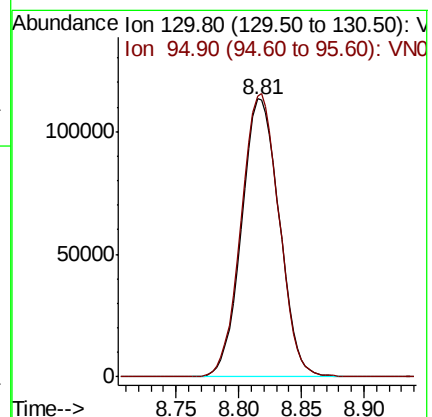
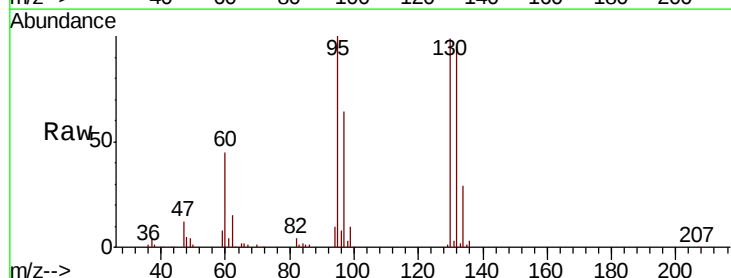
Acq: 12 Nov 2019 19:32

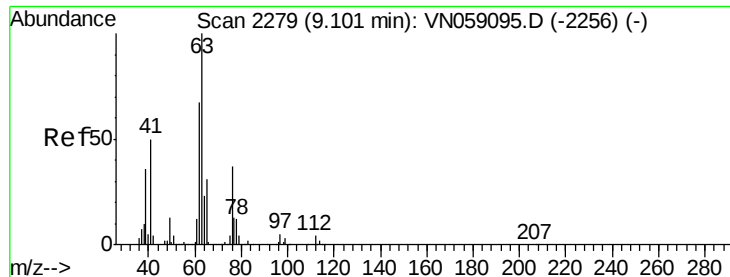
Tgt Ion:130 Resp: 236095

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 :

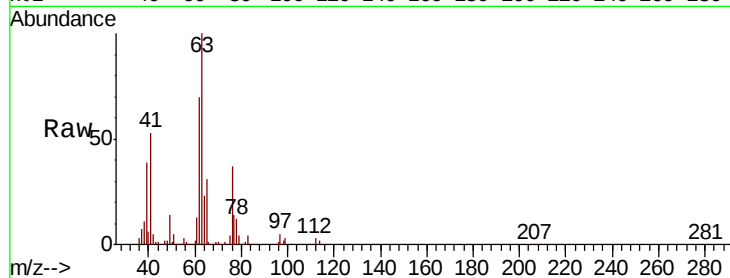
MW-305-SRI4MSD

Tot Ion: 63 Resp: 259155

Ion Ratio Lower Upper

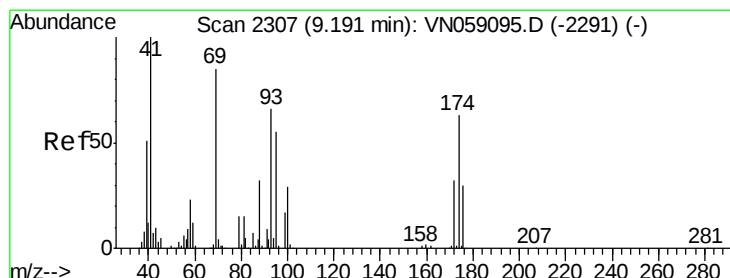
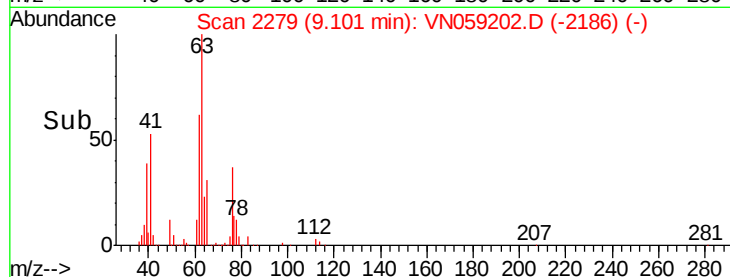
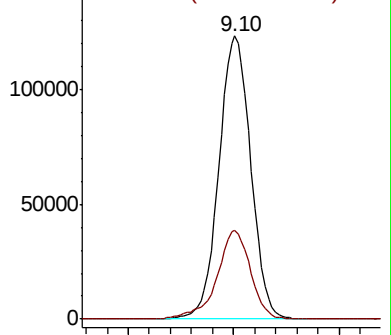
63 100

65 31.3 24.6 37.0



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

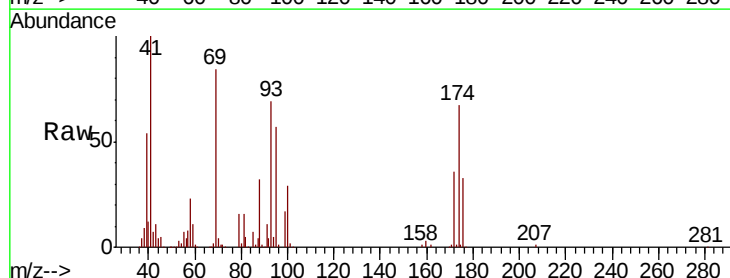
Tgt Ion: 93 Resp: 159027

Ion Ratio Lower Upper

93 100

95 82.1 66.6 100.0

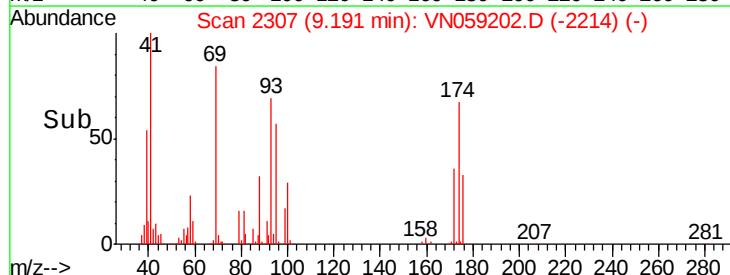
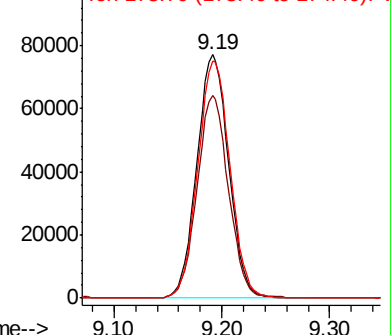
174 98.3 78.2 117.2

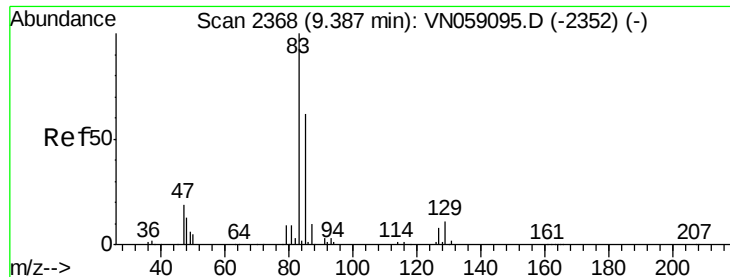


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

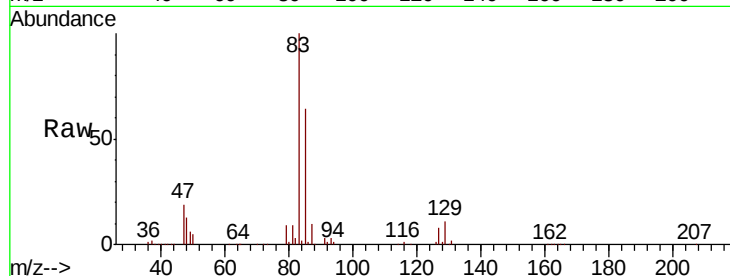




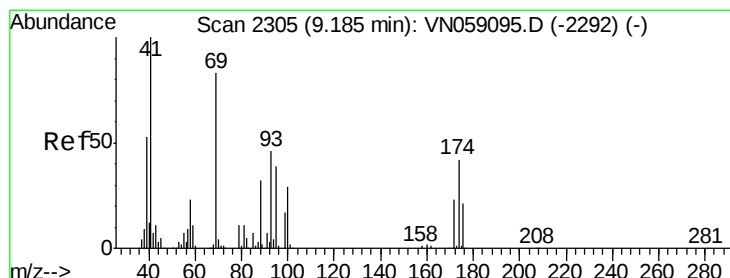
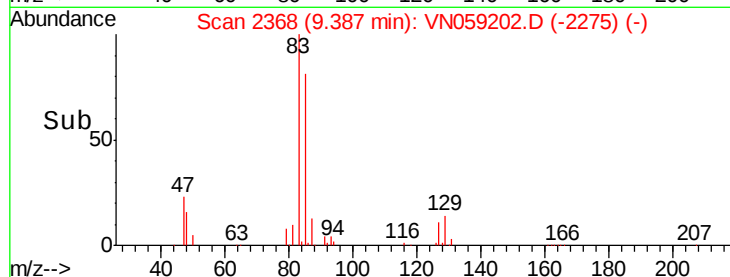
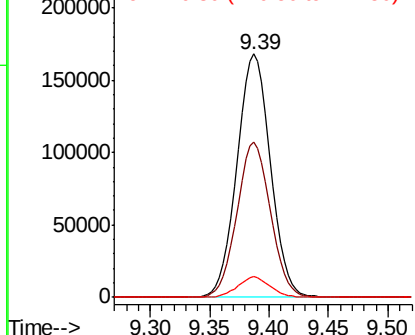
#47
Bromodichloromethane
Concen: 50.723 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN059202.D
Acq: 12 Nov 2019 19:32

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

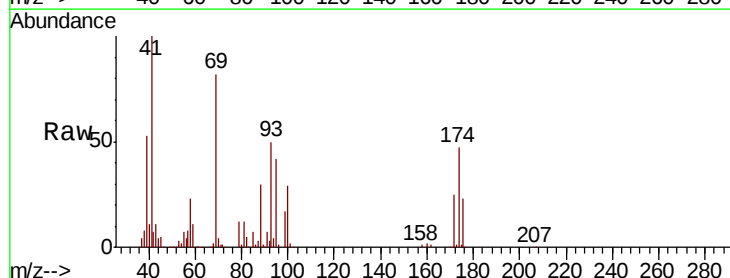


Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO

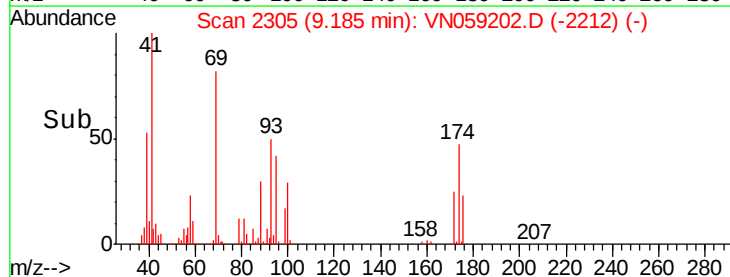
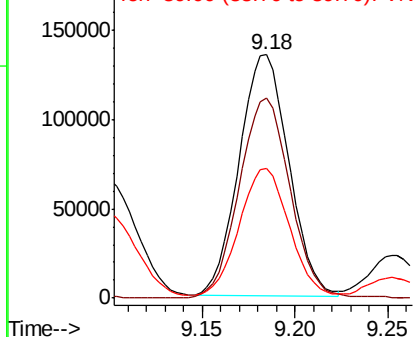


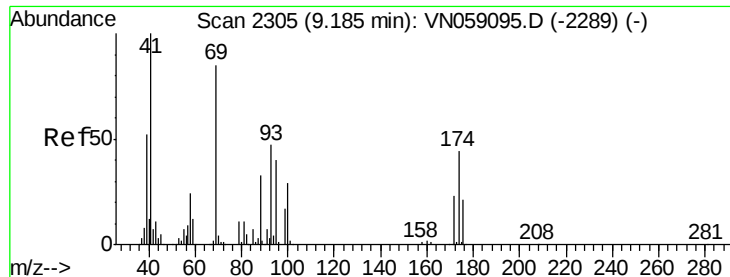
#48
Methyl methacrylate
Concen: 49.891 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059202.D
Acq: 12 Nov 2019 19:32

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): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





#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

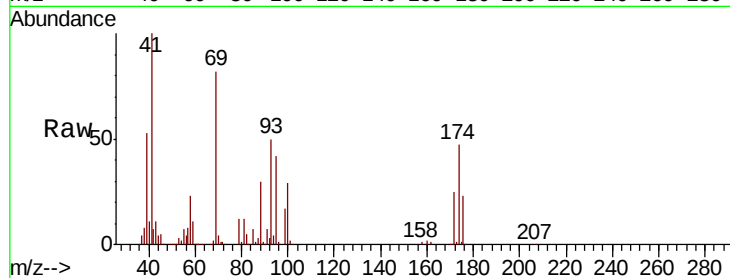
Tot Ion: 88 Resp: 86576

Ion Ratio Lower Upper

88 100

43 33.5 26.3 39.5

58 75.2 60.6 90.8

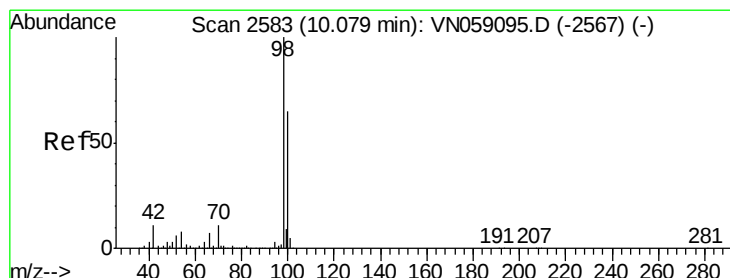
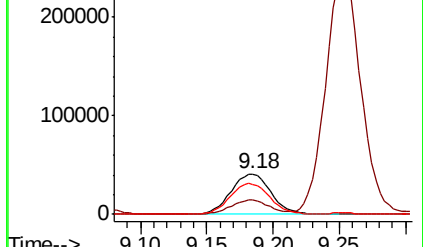
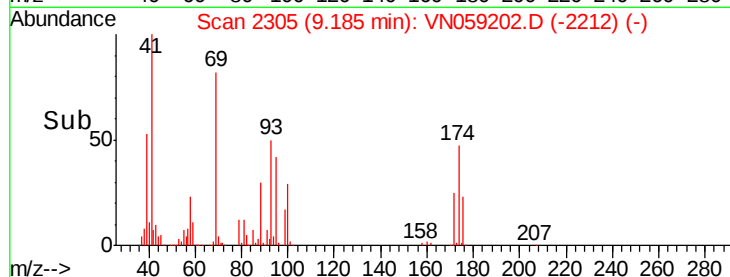


Abundance Ion 88.00 (87.70 to 88.70): VN059202.D (-2212) (-)

Ion 43.00 (42.70 to 43.70): VN059202.D (-2212) (-)

Ion 58.00 (57.70 to 58.70): VN059202.D (-2212) (-)

Time-->



#50

Toluene-d8

Concen: 50.224 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059202.D

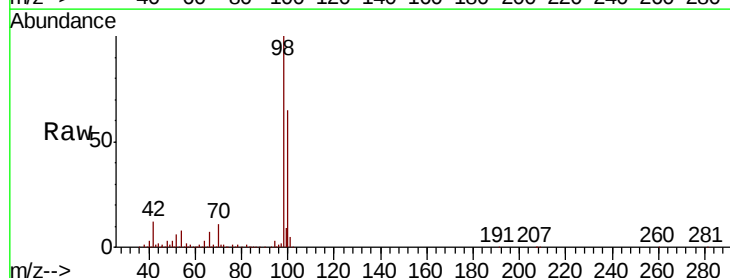
Acq: 12 Nov 2019 19:32

Tgt Ion: 98 Resp: 805180

Ion Ratio Lower Upper

98 100

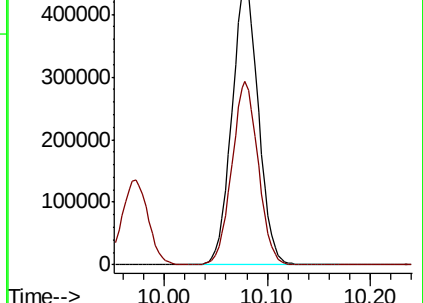
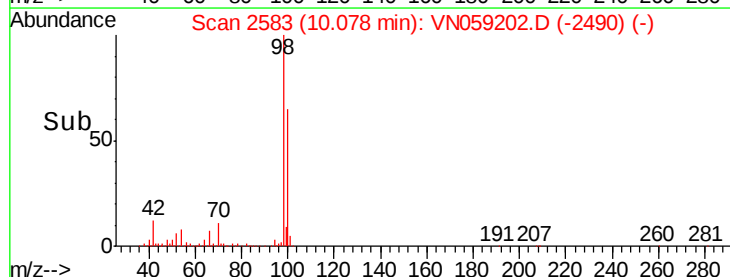
100 64.6 52.2 78.2

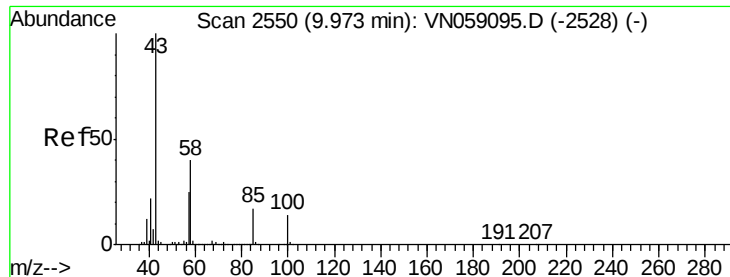


Abundance Ion 98.00 (97.70 to 98.70): VN059202.D (-2490) (-)

Ion 100.00 (99.70 to 100.70): VN059202.D (-2490) (-)

Time-->

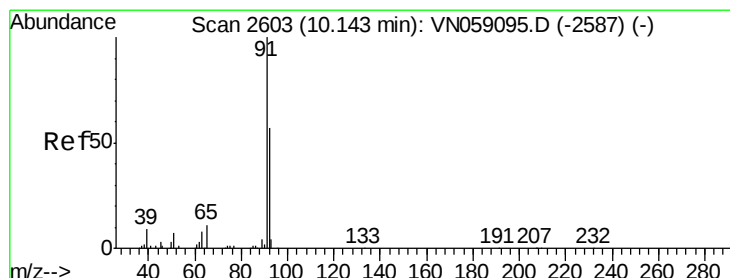
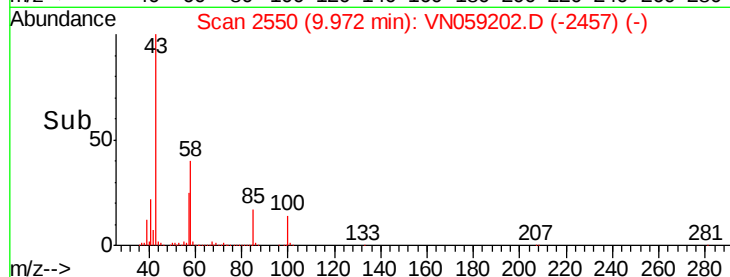
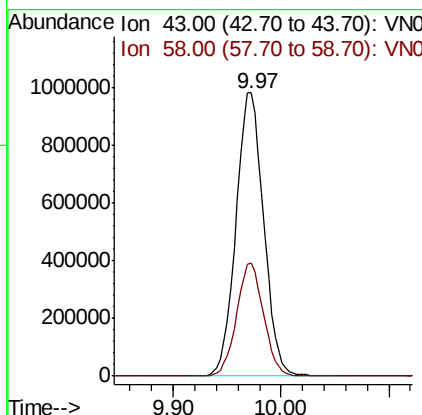
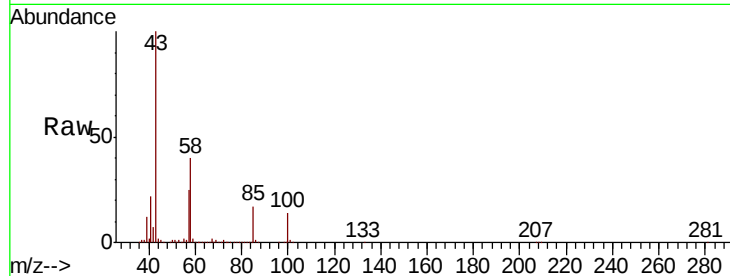




#51
 4-Methyl-2-Pentanone
 Concen: 274.859 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. -0.00 min
 Lab File: VN059202.D
 Acq: 12 Nov 2019 19:32

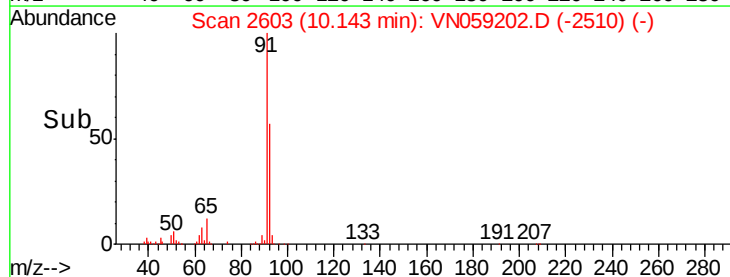
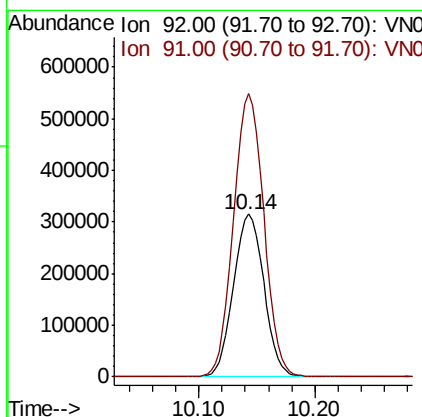
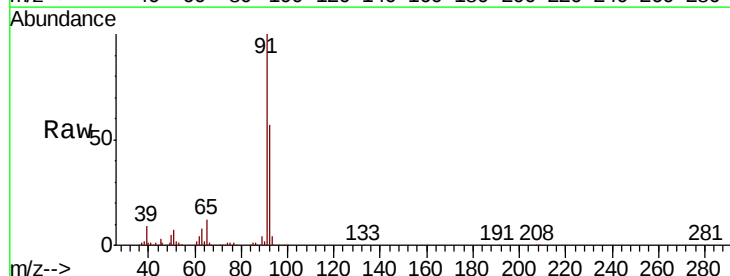
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-305-SRI4MSD

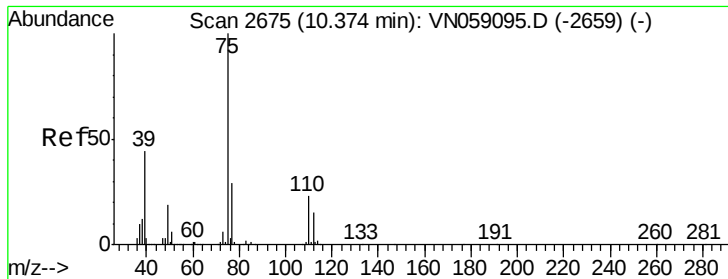
Tot Ion: 43 Resp: 1757413
 Ion Ratio Lower Upper
 43 100
 58 39.0 31.5 47.3



#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 :

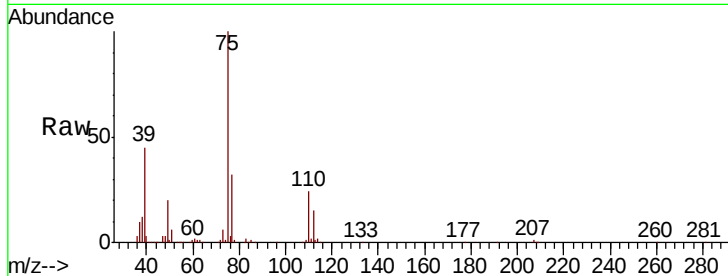
MW-305-SRI4MSD

Tot Ion: 75 Resp: 368671

Ion Ratio Lower Upper

75 100

77 31.7 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

250000

200000

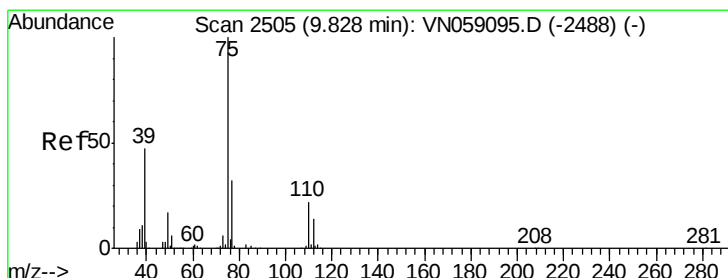
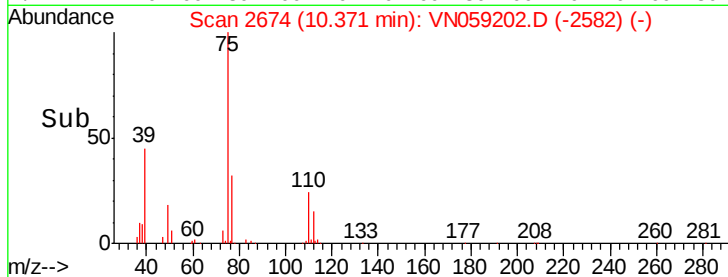
150000

100000

50000

0

Time-->



#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

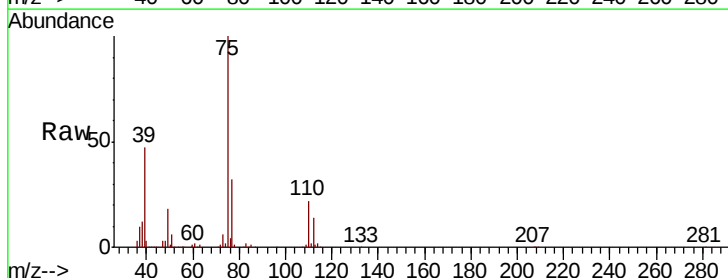
Tgt Ion: 75 Resp: 388533

Ion Ratio Lower Upper

75 100

77 31.7 25.5 38.3

39 46.7 37.3 55.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.82

250000

200000

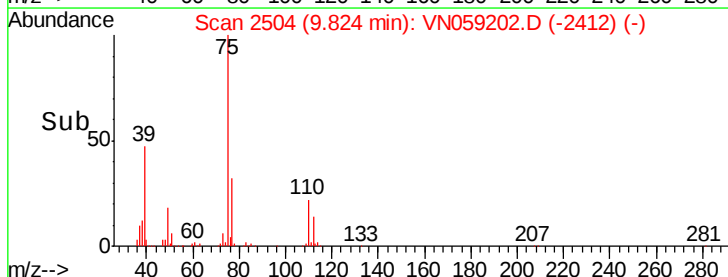
150000

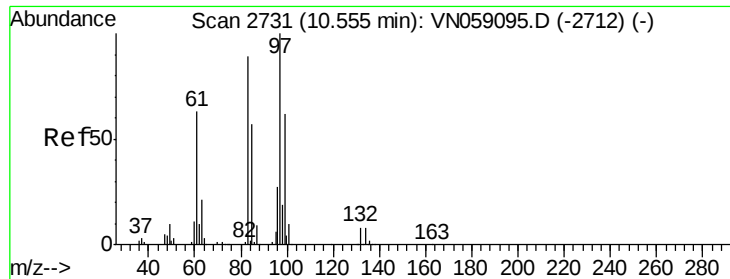
100000

50000

0

Time-->

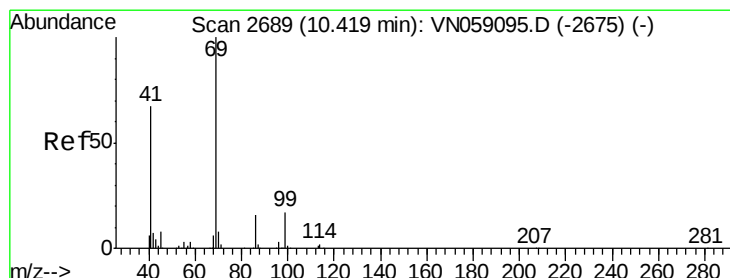
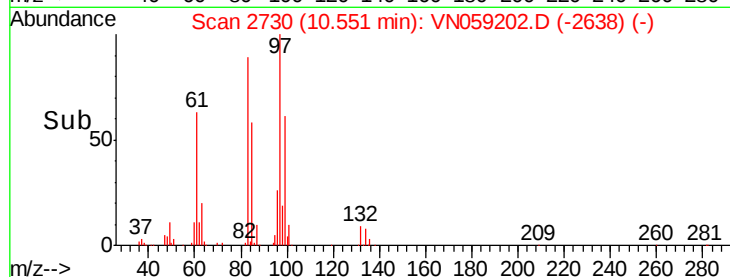
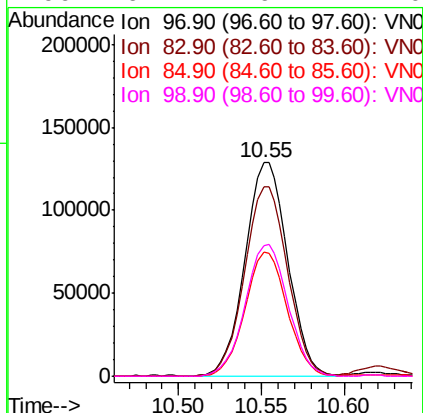
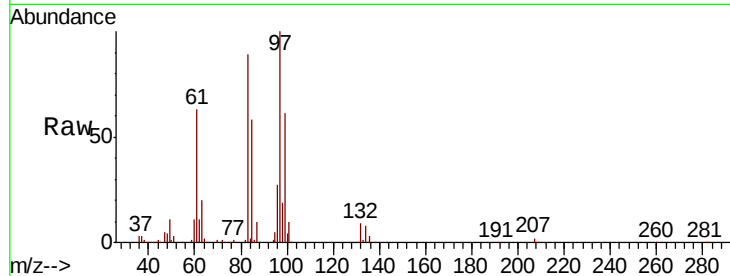




#55
 1,1,2-Trichloroethane
 Concen: 49.420 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN059202.D
 Acq: 12 Nov 2019 19:32

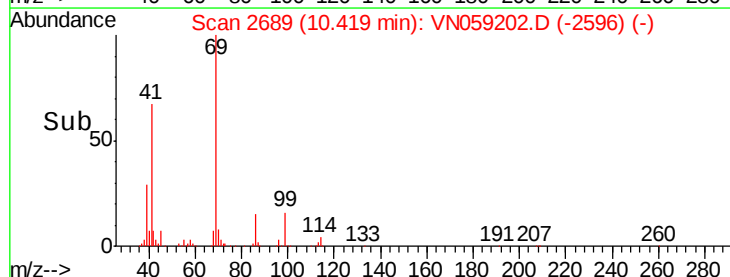
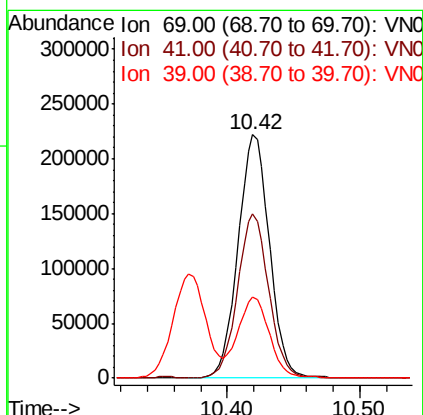
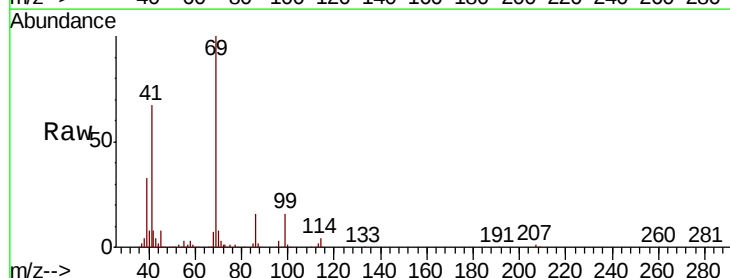
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-305-SRI4MSD

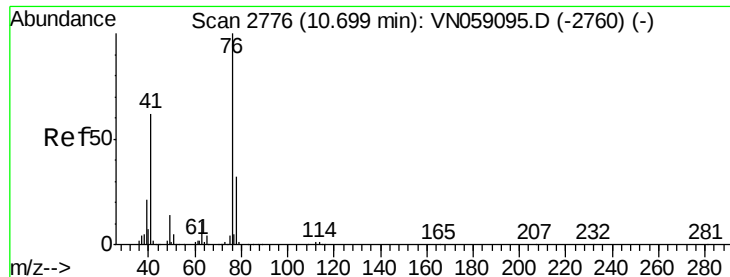
Tot Ion:	97	Resp:	230007
Ion	Ratio	Lower	Upper
97	100		
83	89.1	71.0	106.4
85	58.0	45.8	68.8
99	61.4	49.4	74.0



#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:	69	Resp:	364321
Ion	Ratio	Lower	Upper
69	100		
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 :

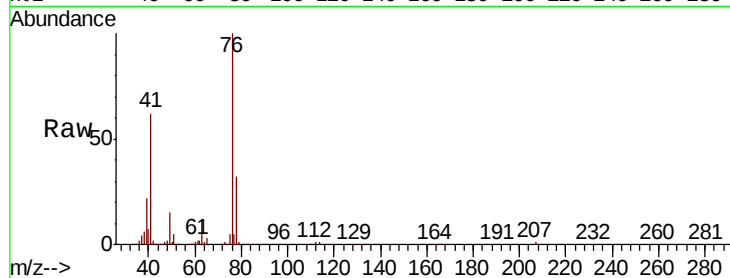
MW-305-SRI4MSD

Tot Ion: 76 Resp: 403638

Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

250000

200000

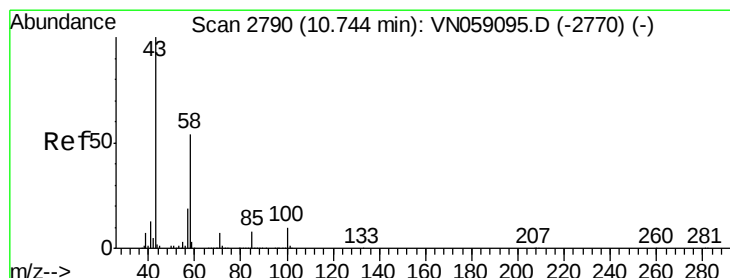
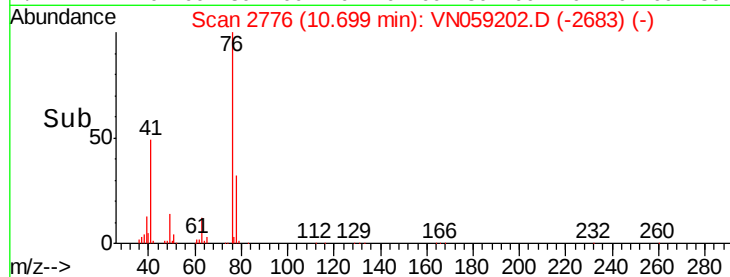
150000

100000

50000

0

Time-->



#59

2-Hexanone

Concen: 263.697 ug/l

RT: 10.74 min Scan# 2790

Delta R.T. -0.00 min

Lab File: VN059202.D

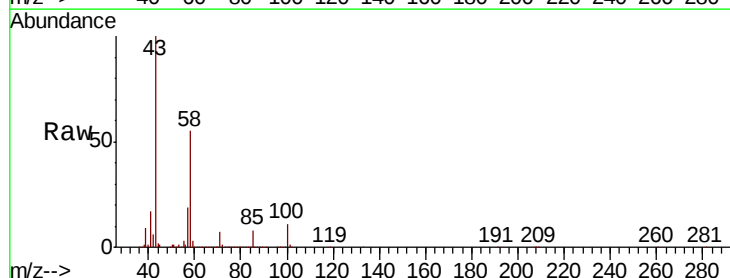
Acq: 12 Nov 2019 19:32

Tgt Ion: 43 Resp: 1294119

Ion Ratio Lower Upper

43 100

58 54.7 27.3 81.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.74

800000

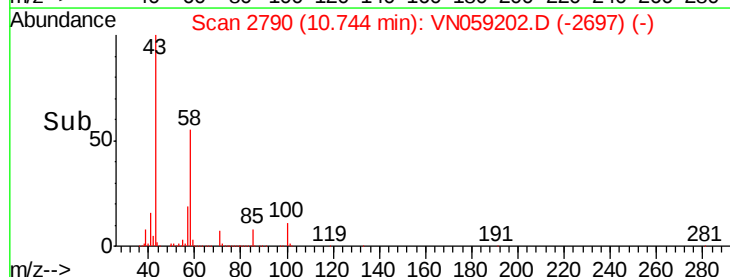
600000

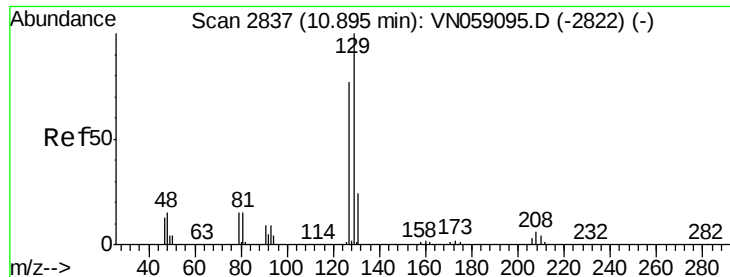
400000

200000

0

Time-->





#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 :

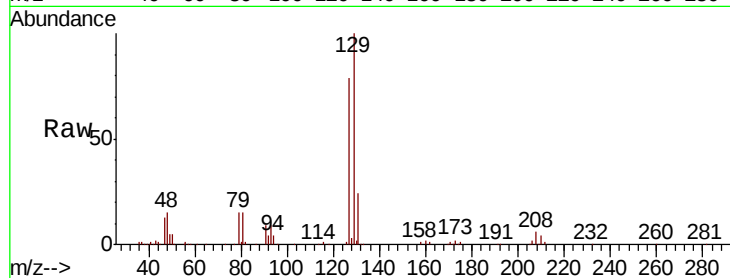
MW-305-SRI4MSD

Tot Ion:129 Resp: 251703

Ion Ratio Lower Upper

129 100

127 78.2 38.6 115.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.89

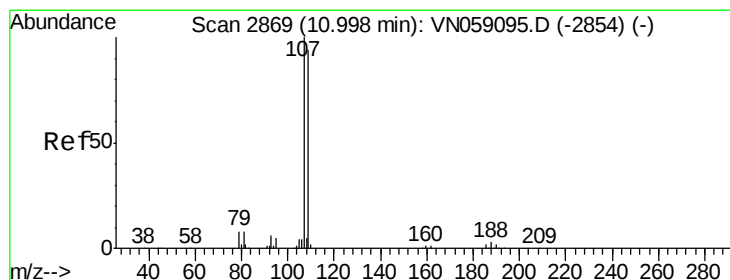
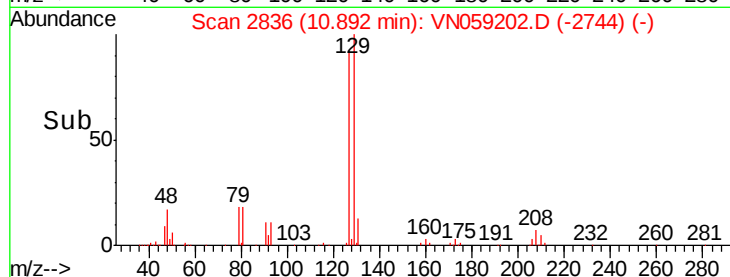
150000

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

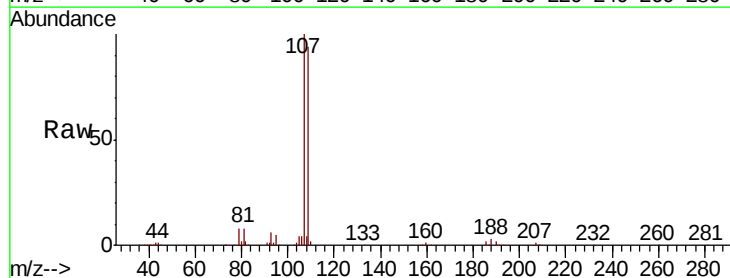
Acq: 12 Nov 2019 19:32

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

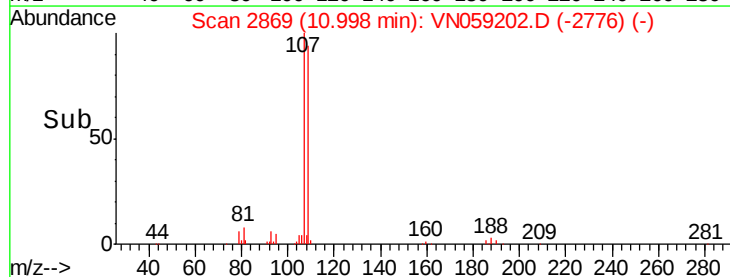
150000

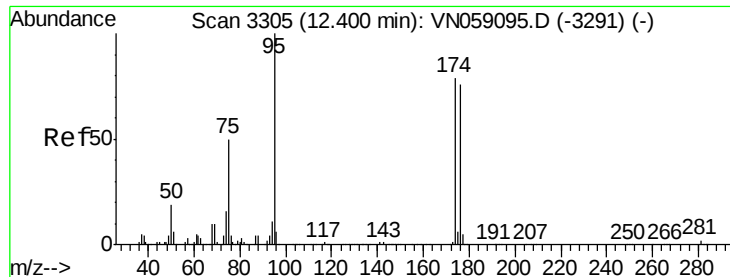
100000

50000

0

Time--> 10.90 11.00 11.10

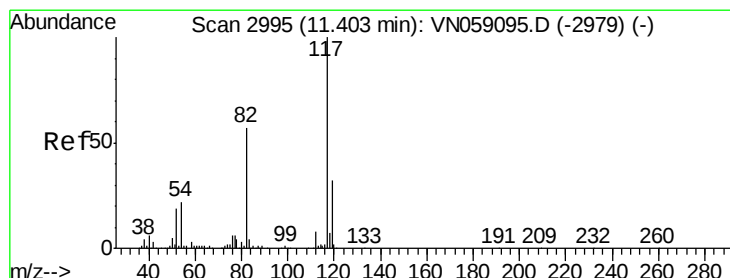
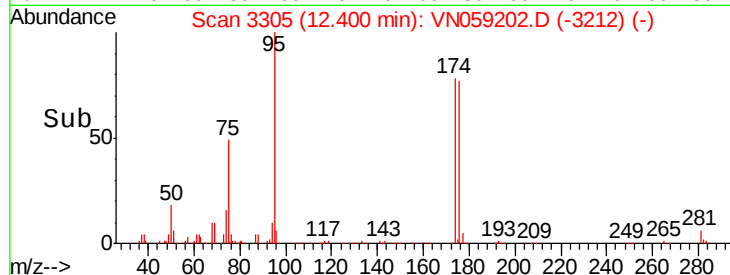
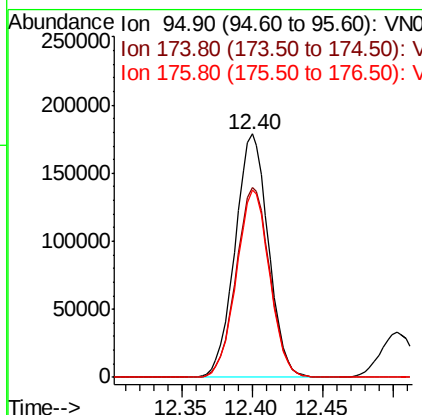
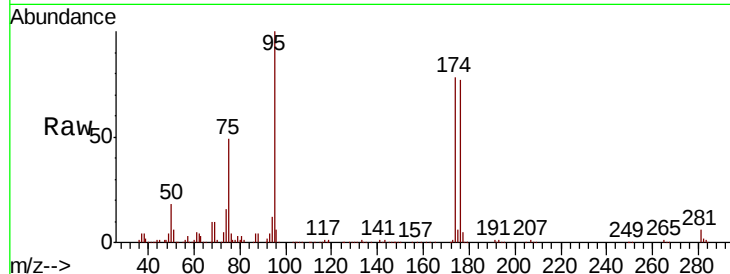




#62
4-Bromofluorobenzene
Concen: 51.228 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN059202.D
Acq: 12 Nov 2019 19:32

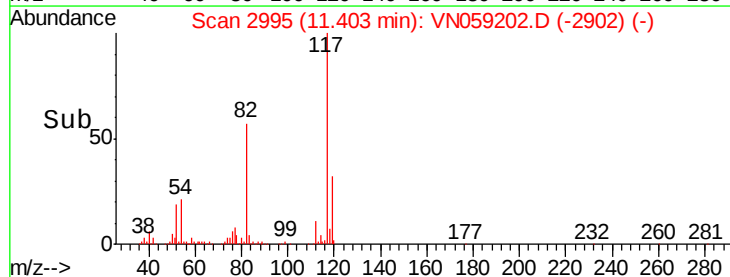
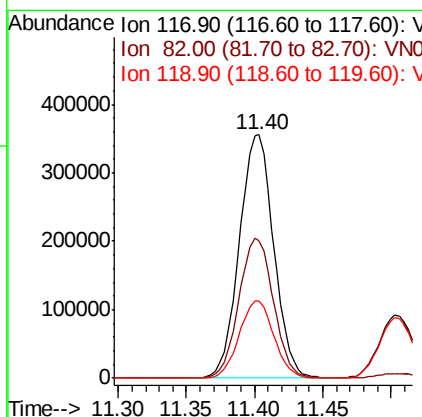
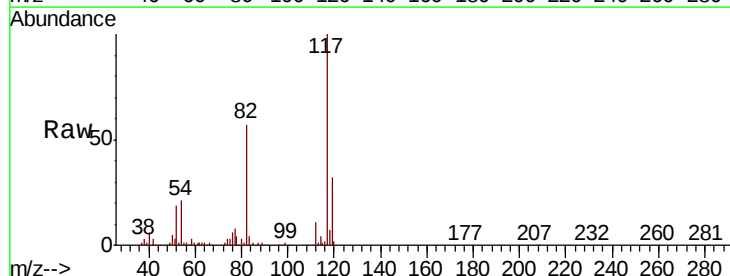
Instrument :
MSVOA_N
ClientSampleId :
MW-305-SRI4MSD

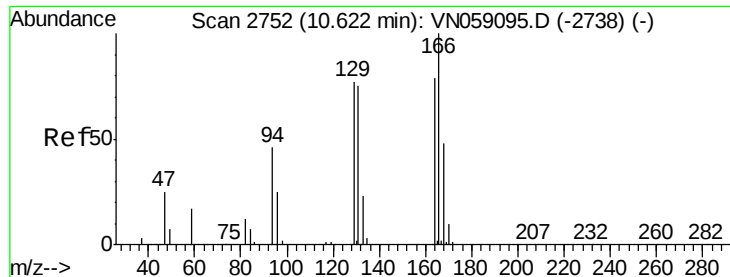
Tot Ion	Ratio	Lower	Upper
95	100		
174	79.1	0.0	158.2
176	76.7	0.0	151.8



#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	Lower	Upper
117	100		
82	56.7	45.8	68.8
119	31.7	25.8	38.6

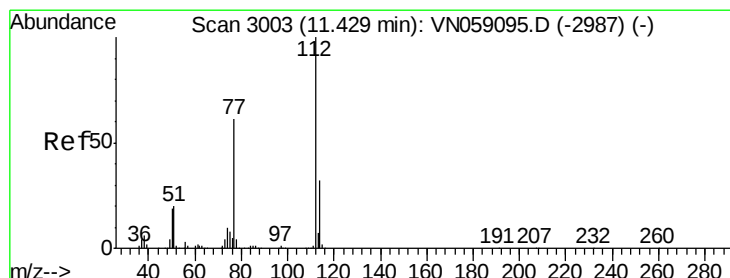
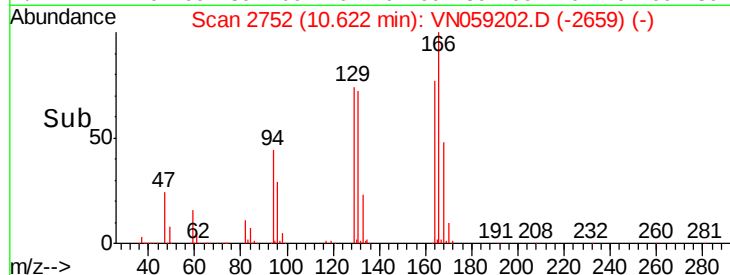
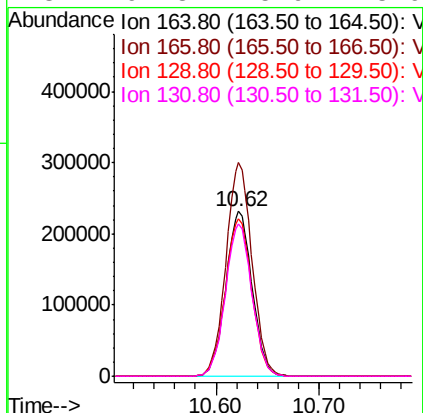
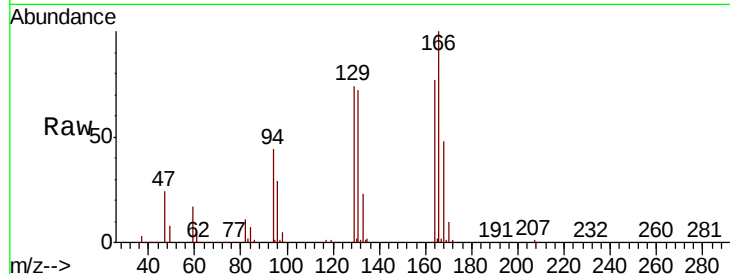




#64
Tetrachloroethene
Concen: 97.054 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059202.D
Acq: 12 Nov 2019 19:32

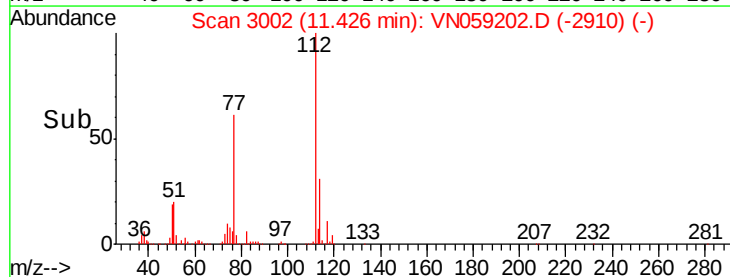
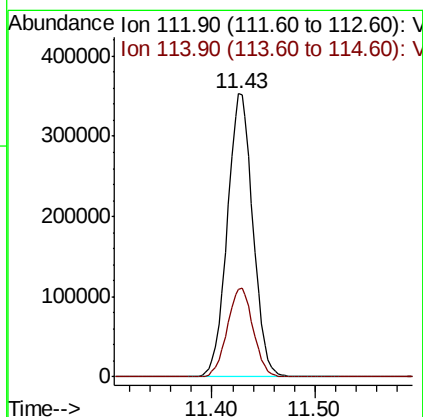
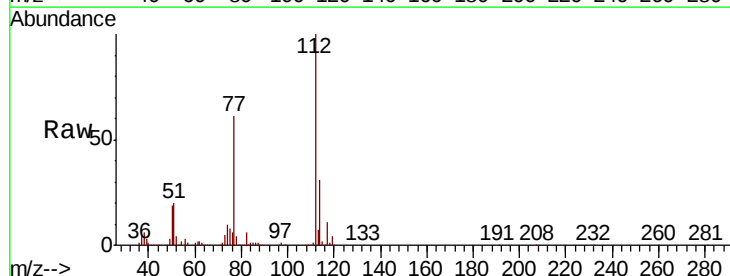
Instrument :
MSVOA_N
ClientSampleId :
MW-305-SRI4MSD

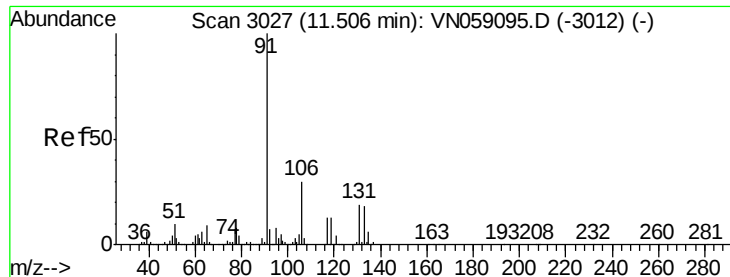
Tot Ion:164 Resp: 410887
Ion Ratio Lower Upper
164 100
166 129.7 101.5 152.3
129 96.0 78.3 117.5
131 92.8 75.9 113.9



#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





#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

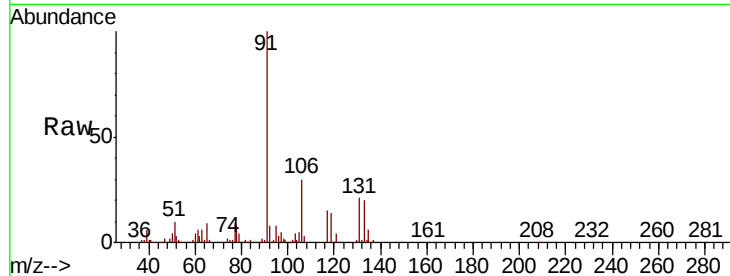
Tot Ion:131 Resp: 231781

Ion Ratio Lower Upper

131 100

133 93.9 47.4 142.3

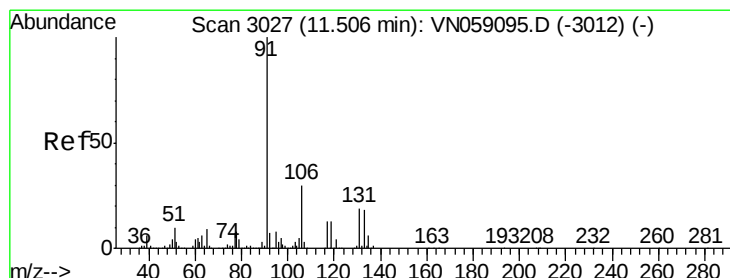
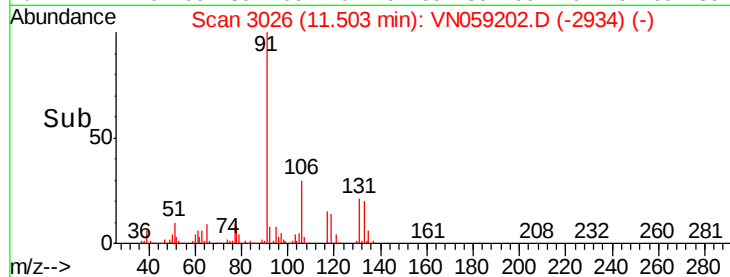
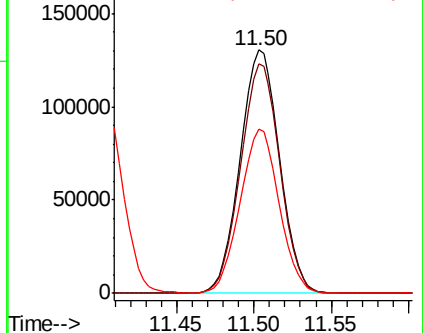
119 66.6 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 51.442 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059202.D

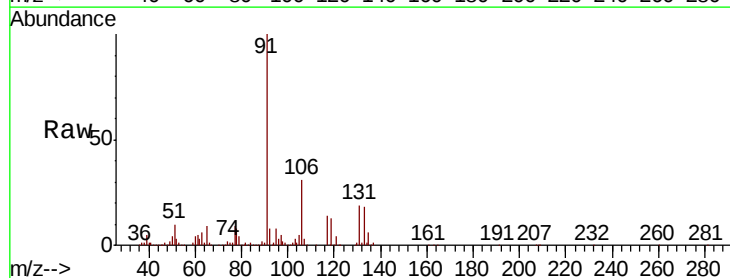
Acq: 12 Nov 2019 19:32

Tgt Ion: 91 Resp: 1107735

Ion Ratio Lower Upper

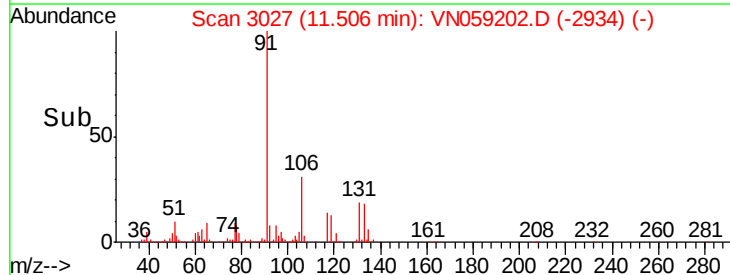
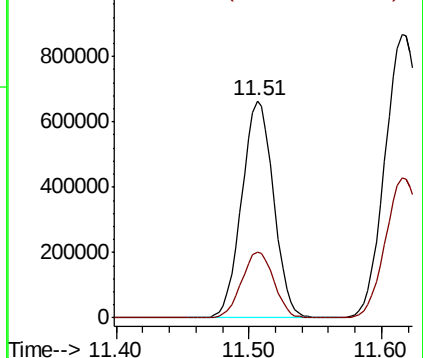
91 100

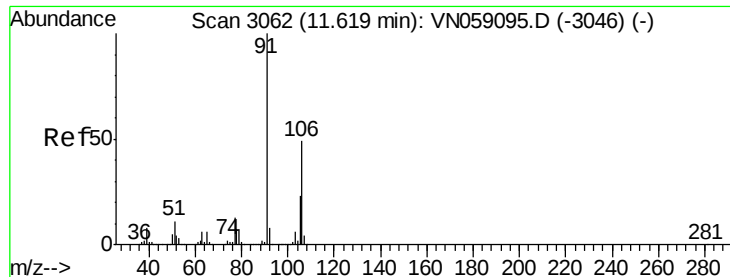
106 30.6 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

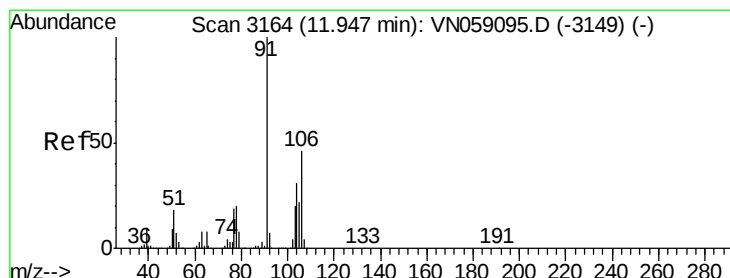
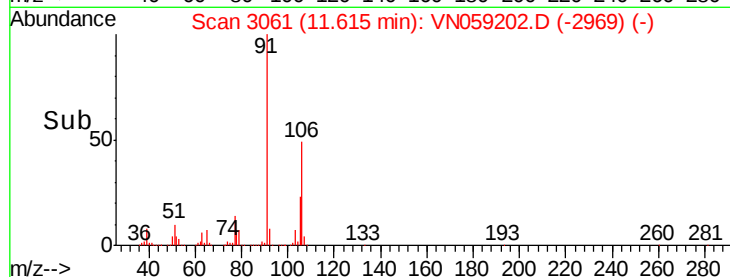
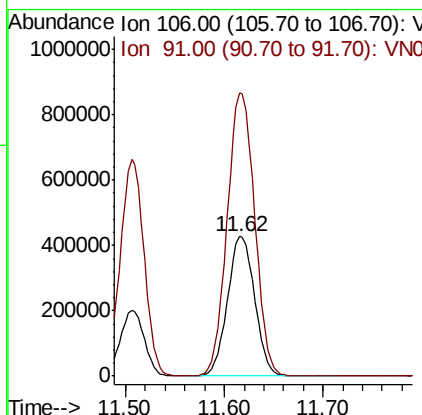
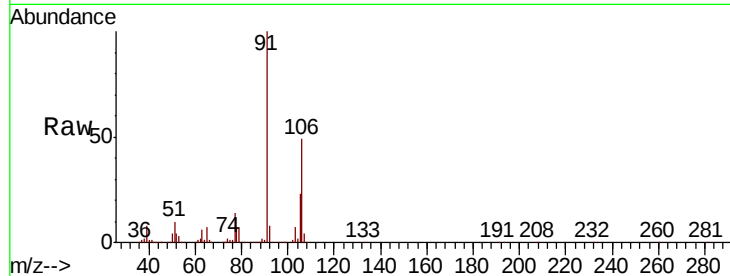




#68
m/p-Xylenes
Concen: 102.228 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN059202.D
Acq: 12 Nov 2019 19:32

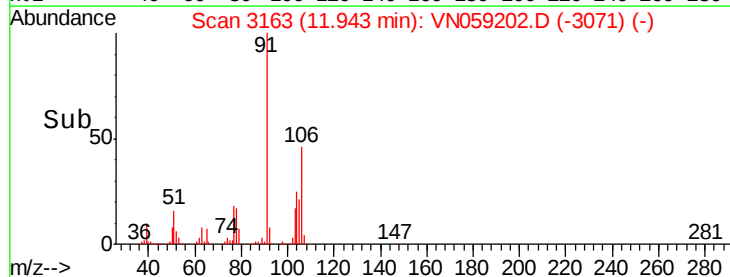
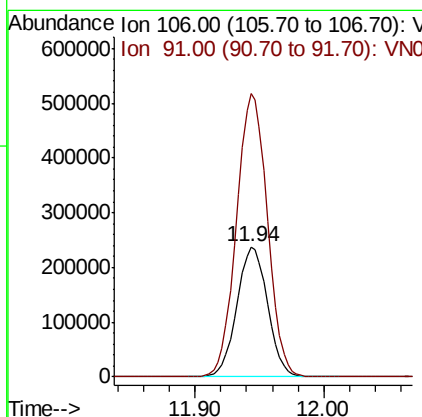
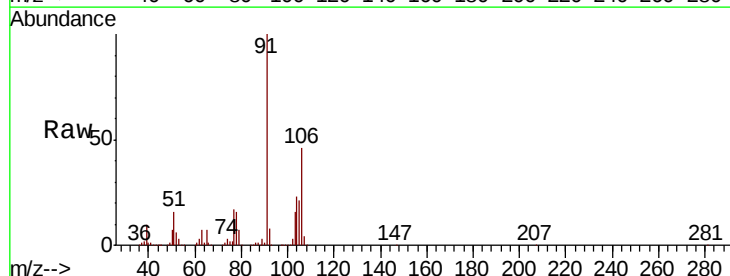
Instrument :
MSVOA_N
ClientSampleId :
MW-305-SRI4MSD

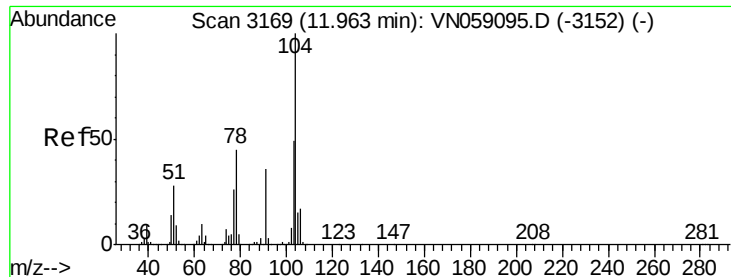
Tot Ion:106 Resp: 824595
Ion Ratio Lower Upper
106 100
91 205.1 164.7 247.1



#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

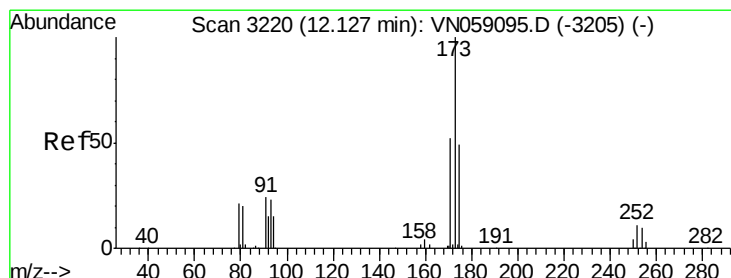
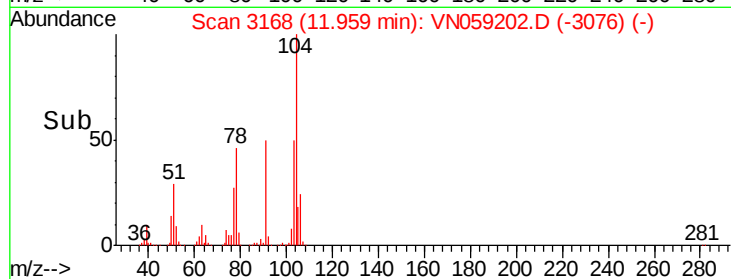
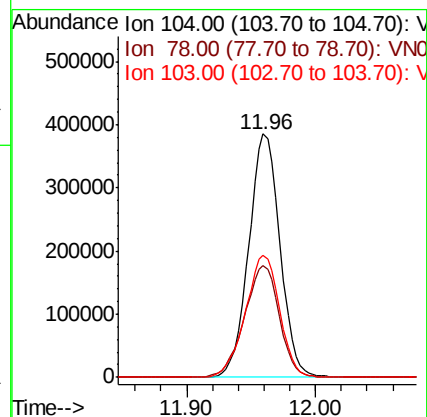
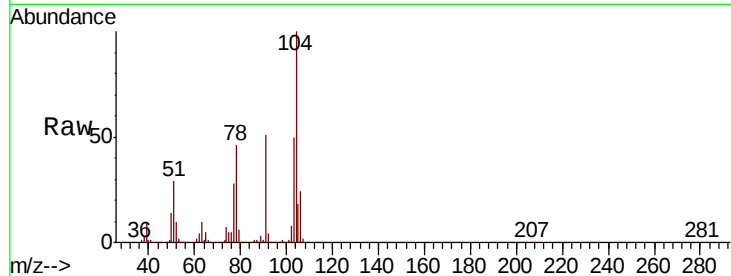




#70
Stvrene
Concen: 53.172 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN059202.D
Acq: 12 Nov 2019 19:32

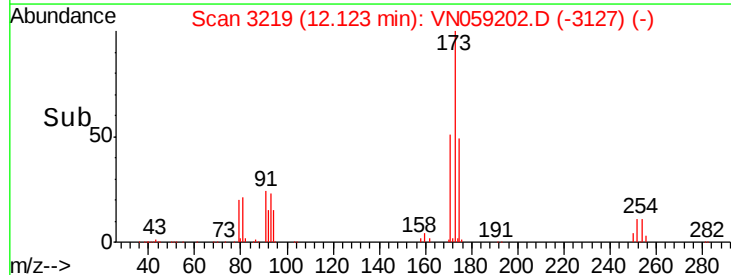
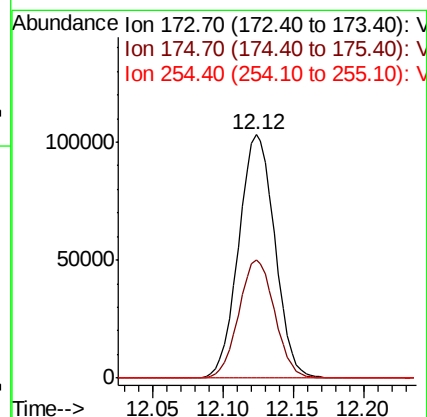
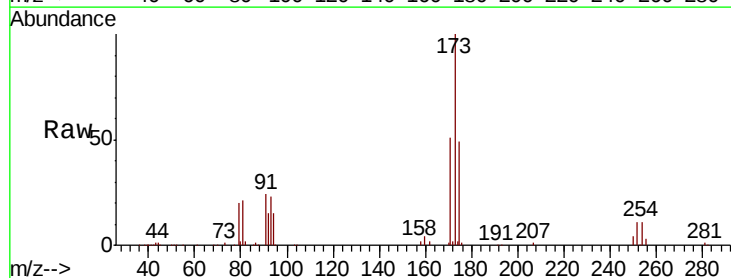
Instrument :
MSVOA_N
ClientSampleId :
MW-305-SRI4MSD

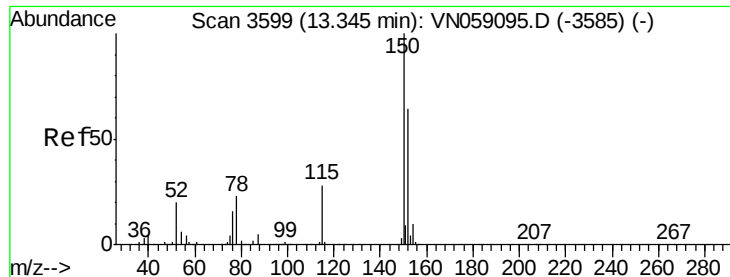
Tot Ion	Ratio	Lower	Upper
104	100		
78	51.1	41.2	61.8
103	54.8	43.8	65.6



#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

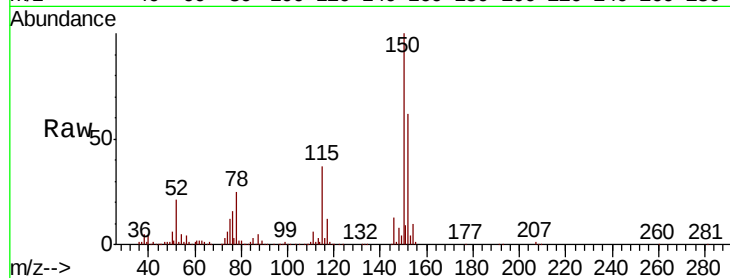
Tot Ion:152 Resp: 298453

Ion Ratio Lower Upper

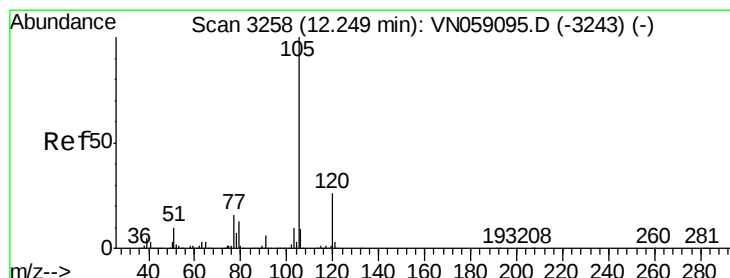
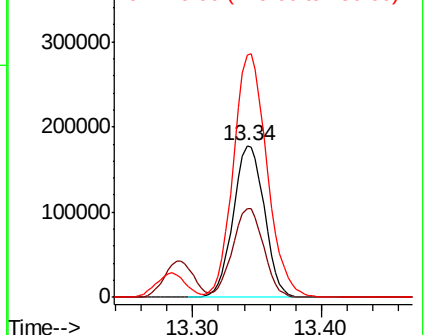
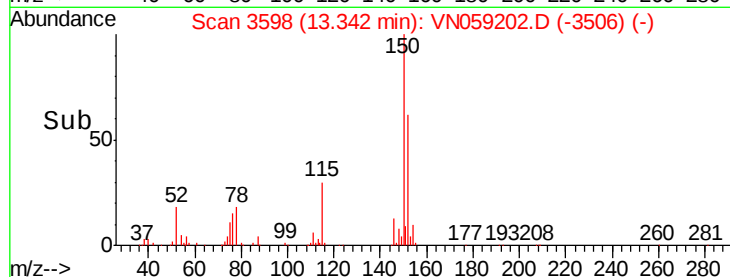
152 100

115 58.3 29.4 88.2

150 173.5 0.0 345.8



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

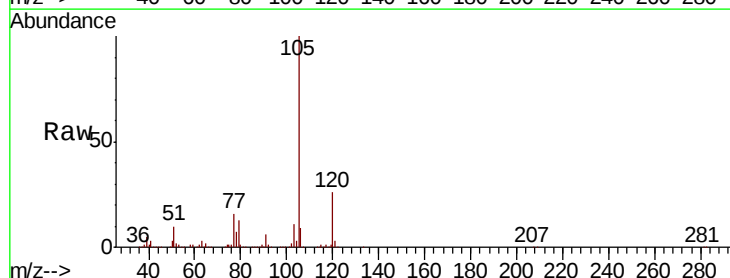
Acq: 12 Nov 2019 19:32

Tgt Ion:105 Resp: 1065809

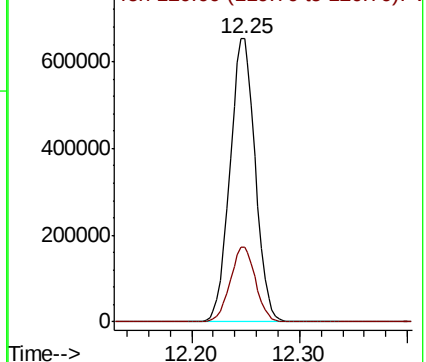
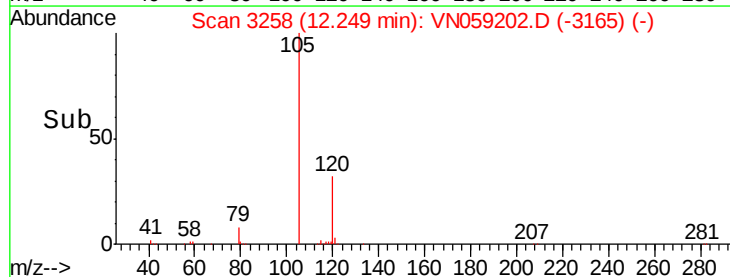
Ion Ratio Lower Upper

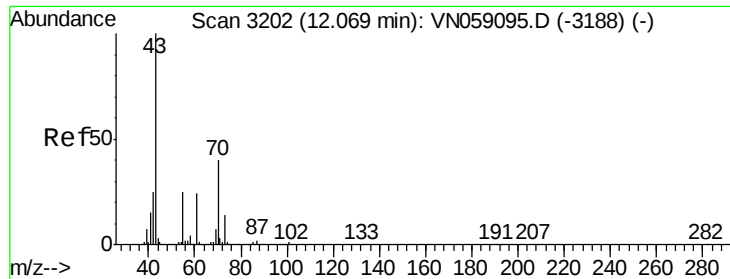
105 100

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: 43 Resp: 450490

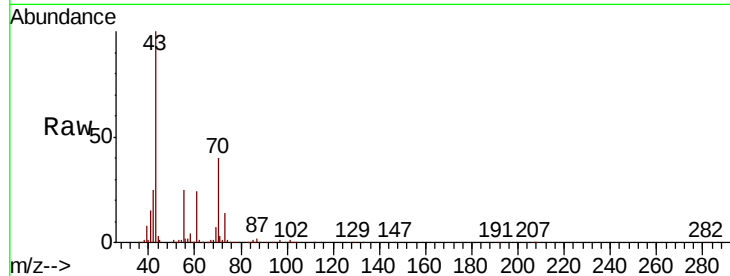
Ion Ratio Lower Upper

43 100

70 41.3 32.2 48.4

55 26.0 20.4 30.6

61 23.9 19.3 28.9

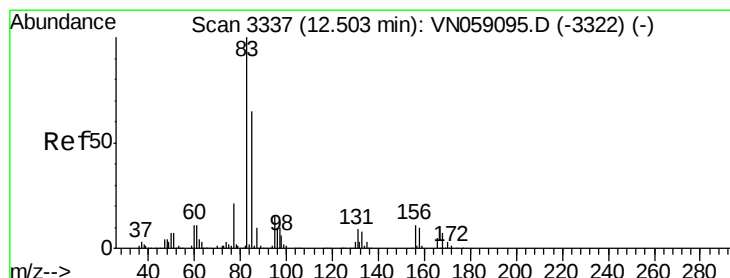
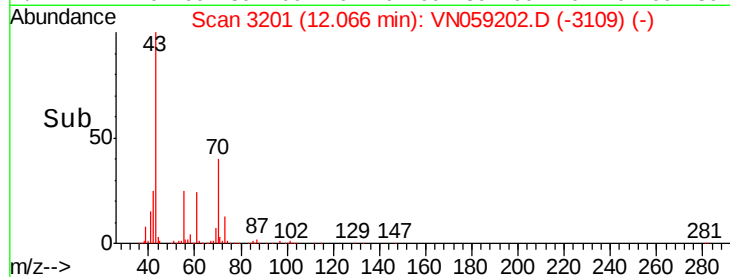
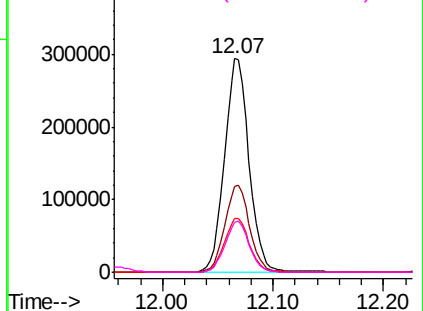


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 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

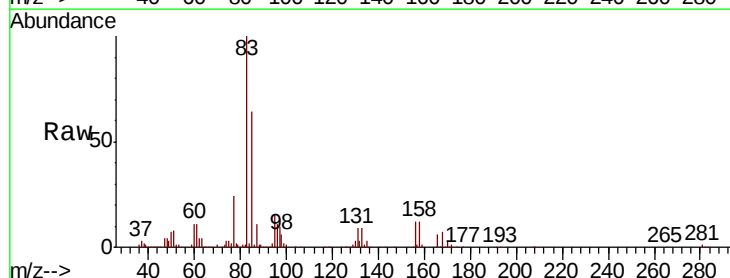
Tgt Ion: 83 Resp: 360363

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.6

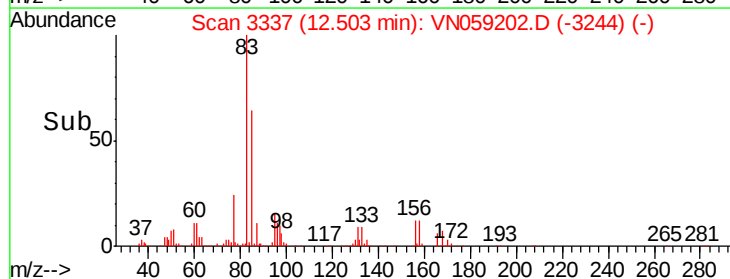
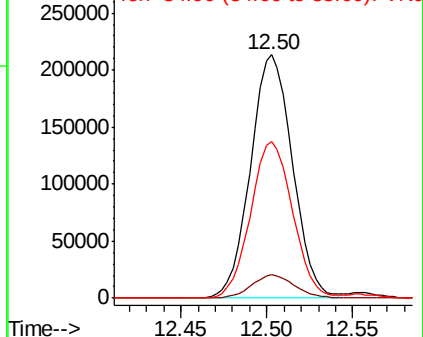
85 64.6 32.4 97.2

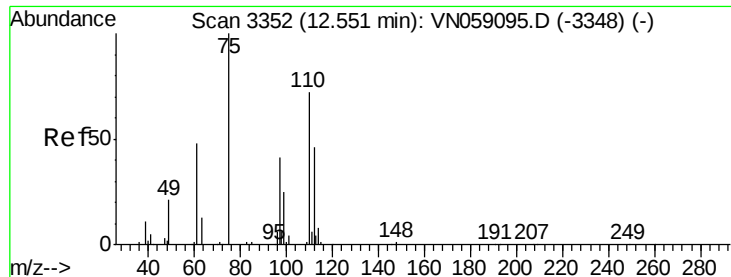


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 69.396 ug/l

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 :

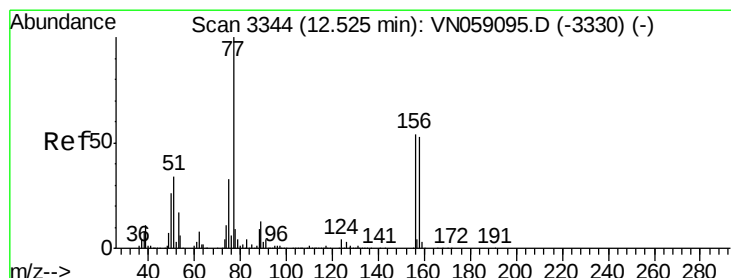
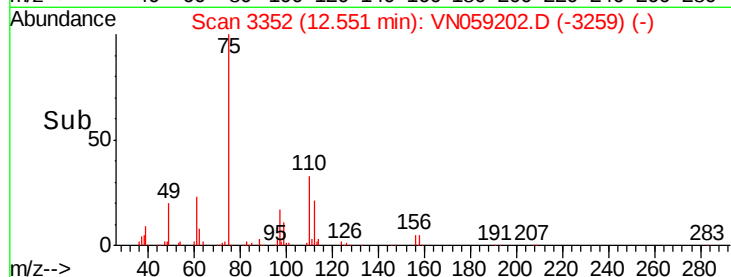
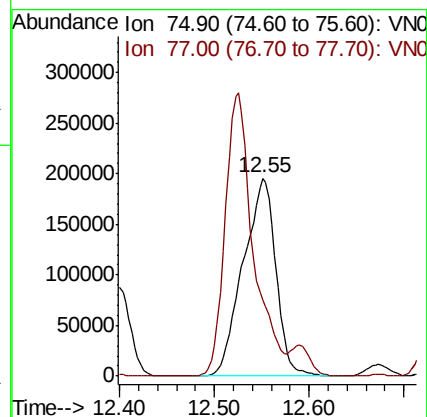
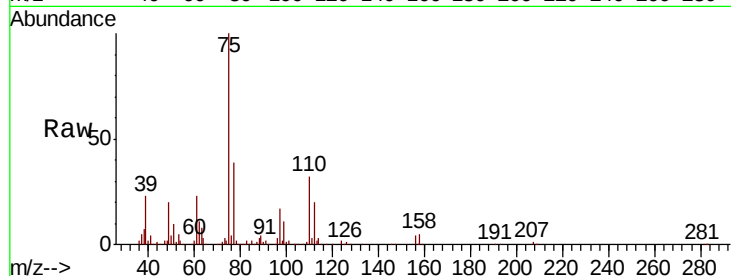
MW-305-SRI4MSD

Tot Ion: 75 Resp: 471531

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#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

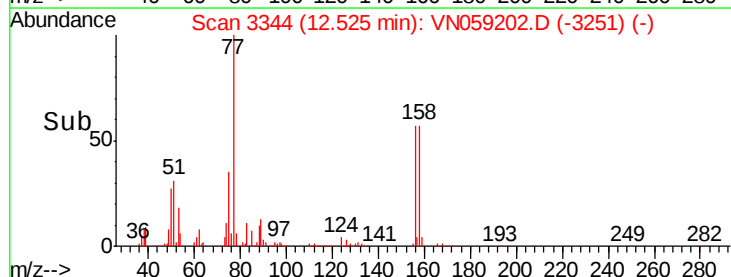
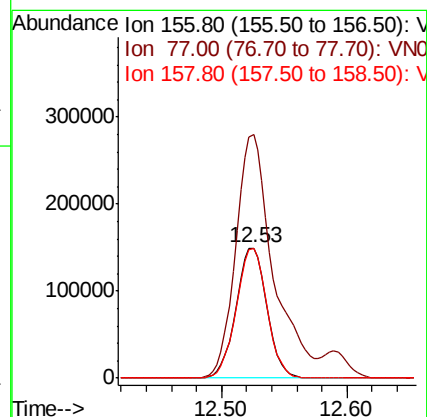
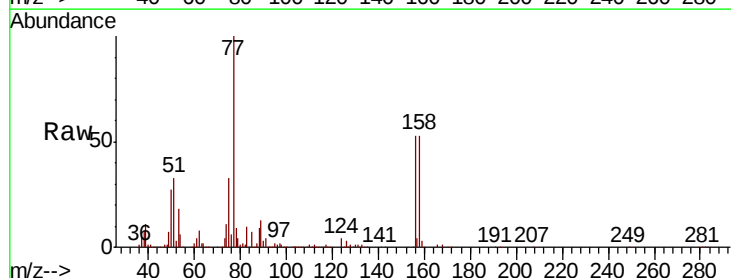
Tgt Ion: 156 Resp: 255596

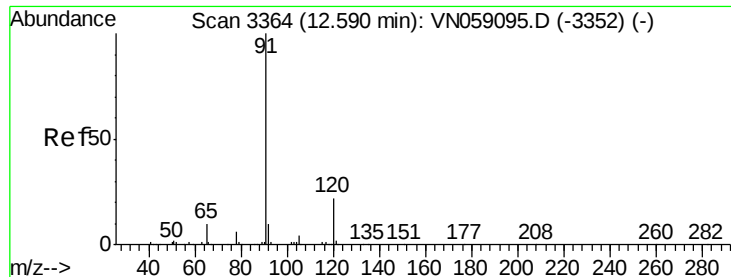
Ion Ratio Lower Upper

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 :

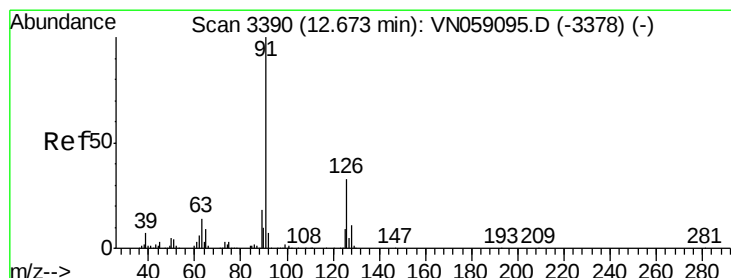
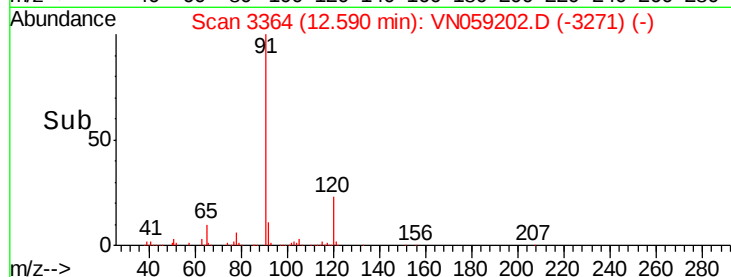
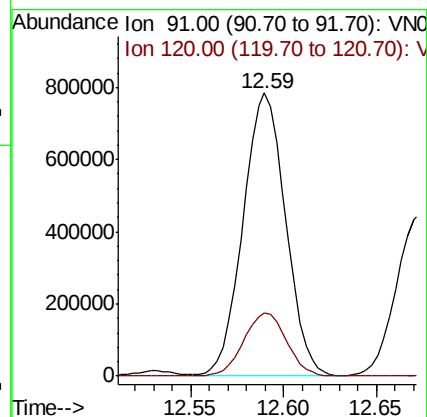
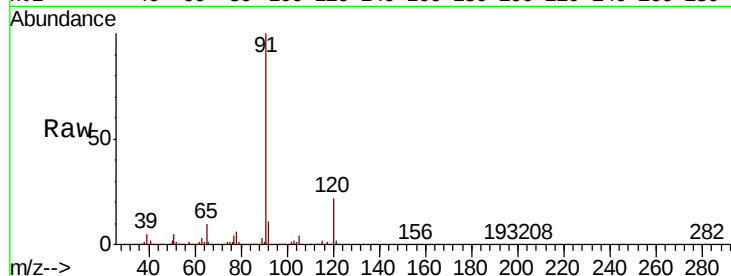
MW-305-SRI4MSD

Tot Ion: 91 Resp: 1249593

Ion Ratio Lower Upper

91 100

120 22.5 11.2 33.5



#79

2-Chlorotoluene

Concen: 48.457 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059202.D

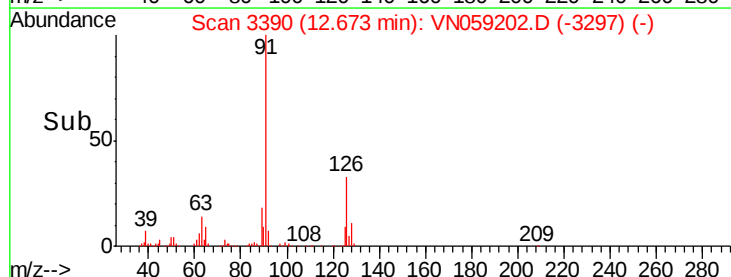
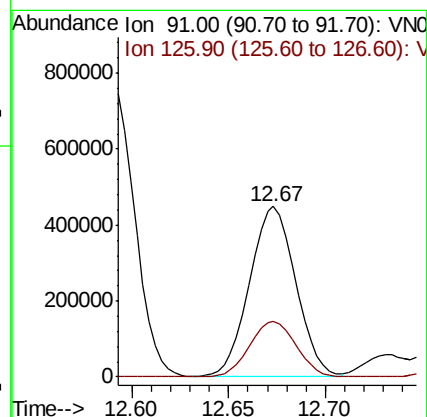
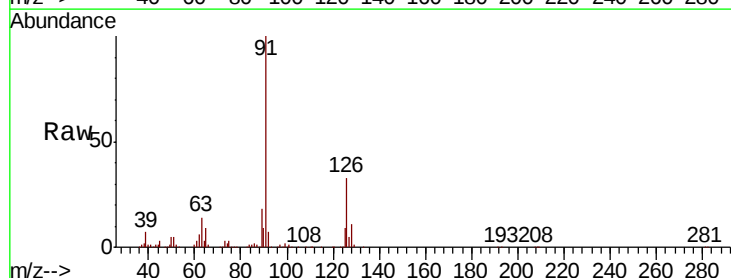
Acq: 12 Nov 2019 19:32

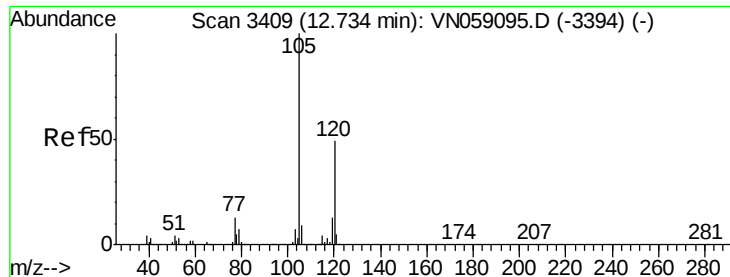
Tgt Ion: 91 Resp: 747222

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 :

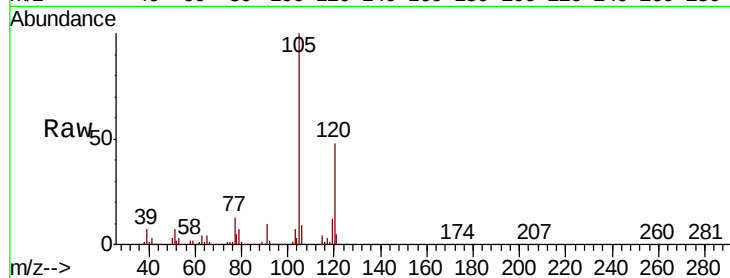
MW-305-SRI4MSD

Tot Ion:105 Resp: 907902

Ion Ratio Lower Upper

105 100

120 48.1 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

400000

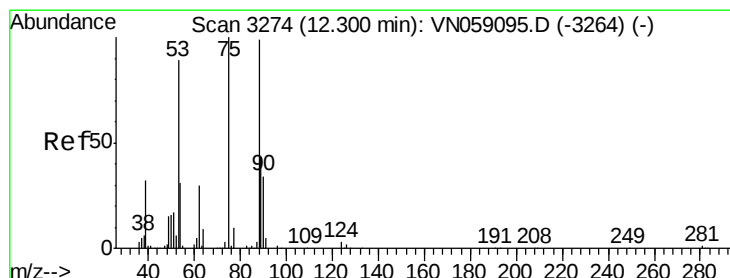
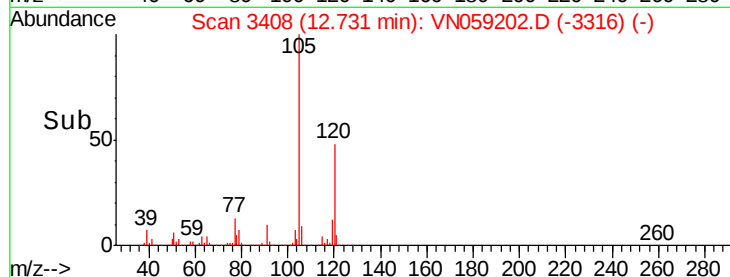
200000

0

12.73

12.70 12.80

Time-->



#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

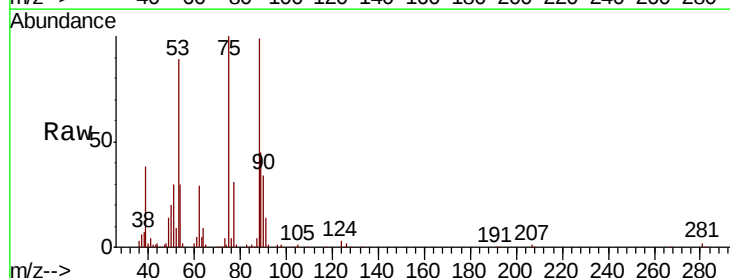
Tgt Ion: 75 Resp: 121663

Ion Ratio Lower Upper

75 100

53 90.7 72.2 108.2

89 45.3 35.8 53.8



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

120000

100000

80000

60000

40000

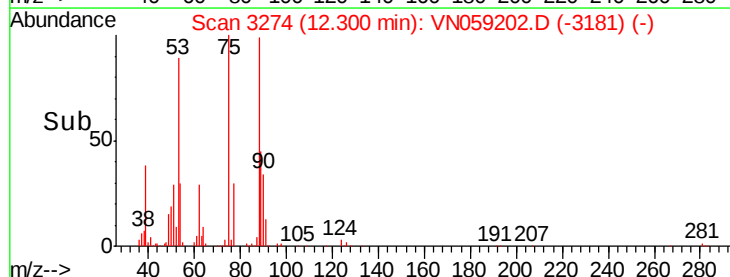
20000

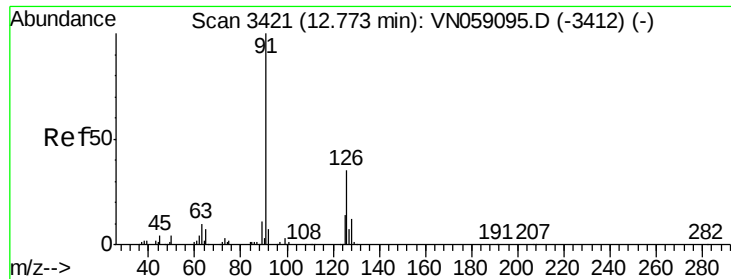
0

12.30

12.25 12.35

Time-->





#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 :

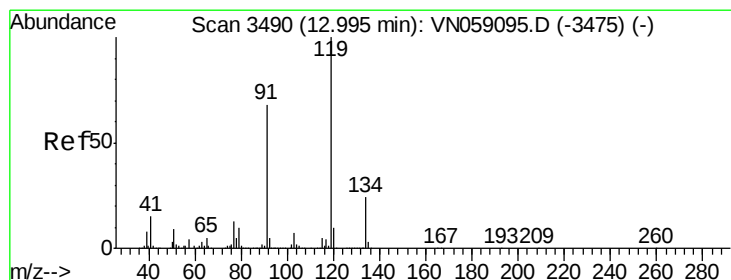
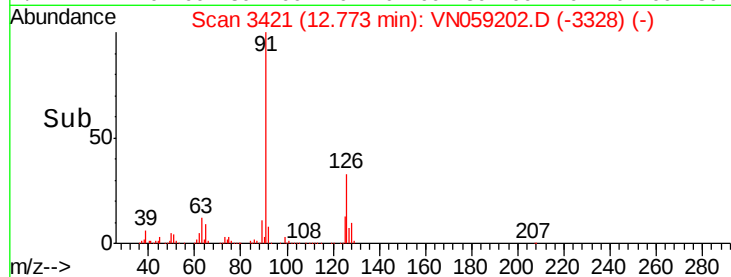
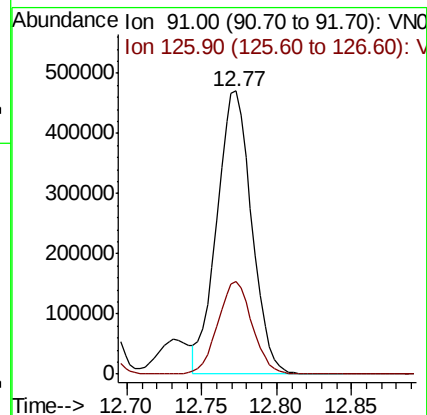
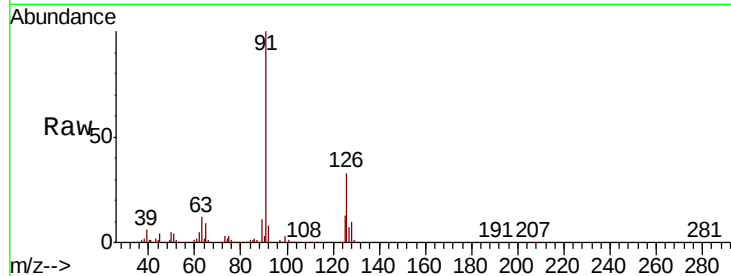
MW-305-SRI4MSD

Tot Ion: 91 Resp: 761189

Ion Ratio Lower Upper

91 100

126 32.2 16.1 48.2



#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

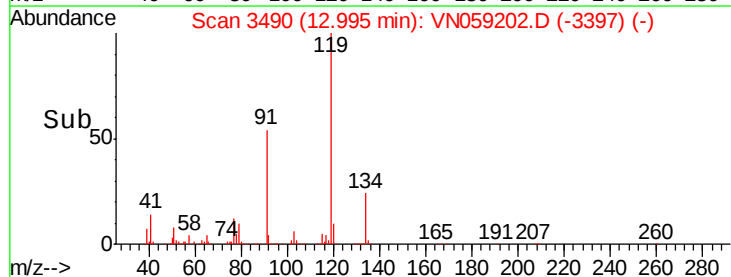
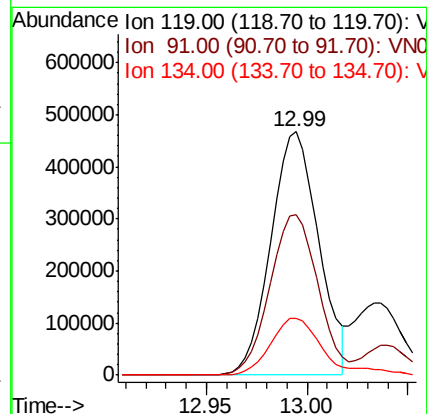
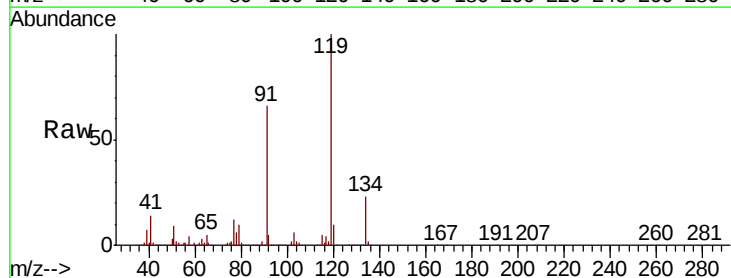
Tgt Ion: 119 Resp: 769180

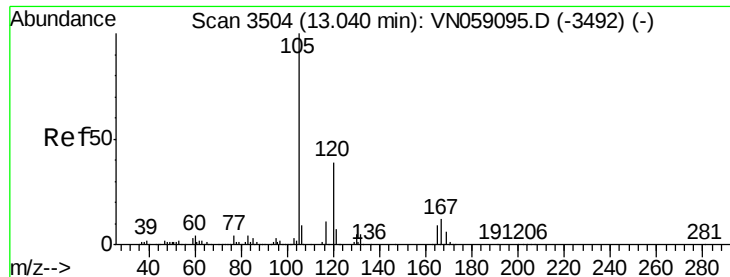
Ion Ratio Lower Upper

119 100

91 66.2 33.2 99.6

134 25.9 12.7 38.1

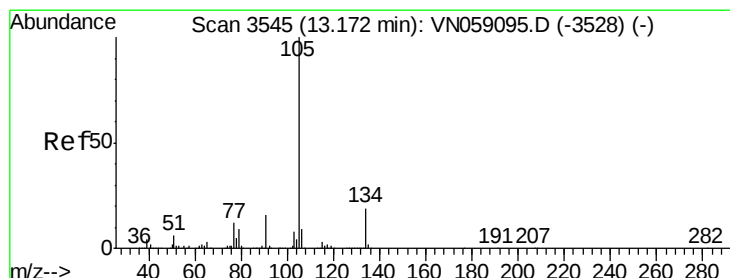
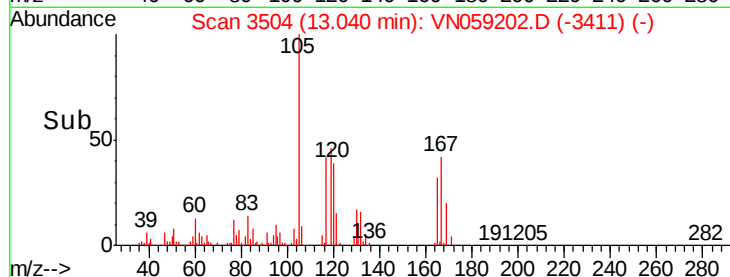
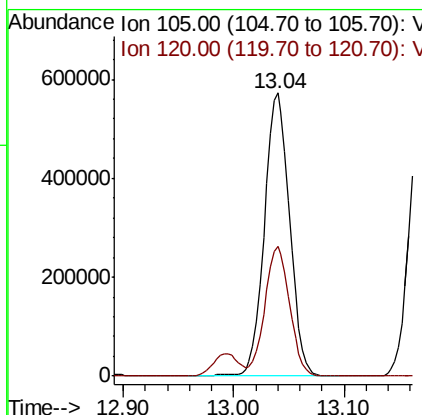
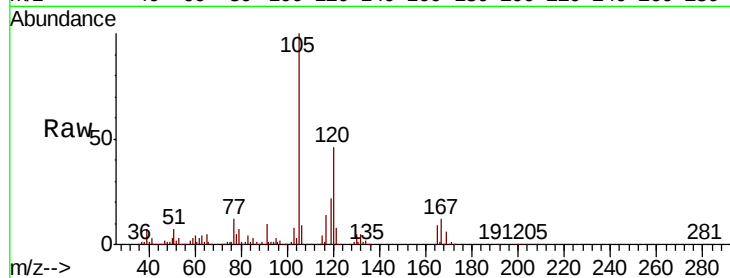




#84
 1,2,4-Trimethylbenzene
 Concen: 50.839 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN059202.D
 Acq: 12 Nov 2019 19:32

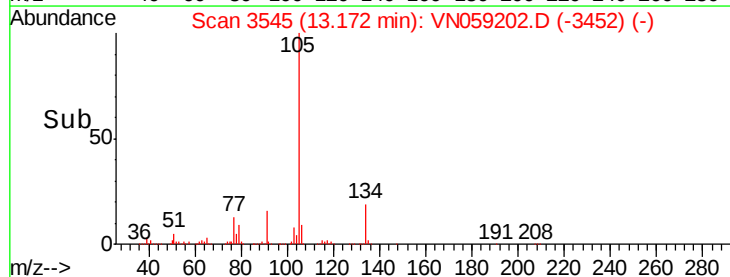
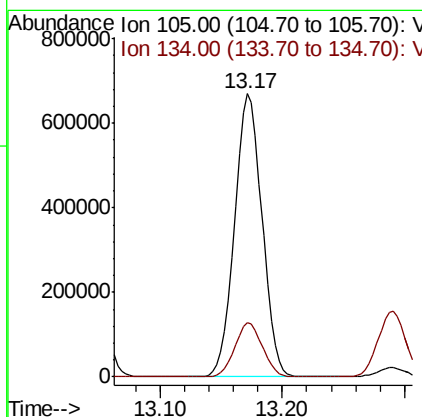
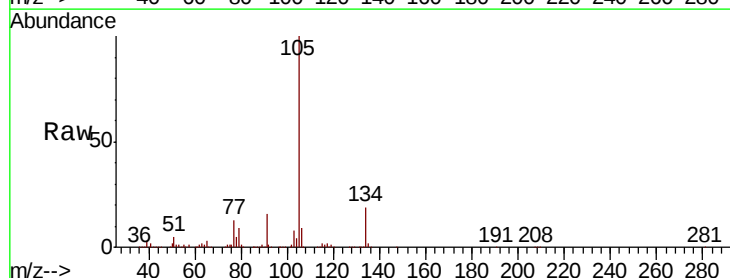
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-305-SRI4MSD

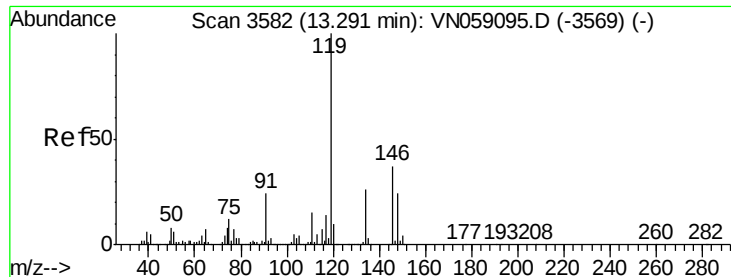
Tot Ion:105 Resp: 904818
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.8 68.4



#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:105 Resp: 1042594
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.7 29.1

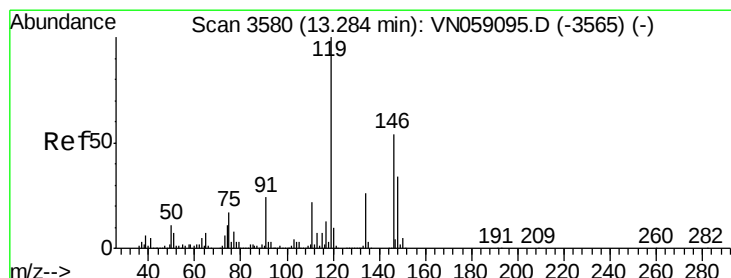
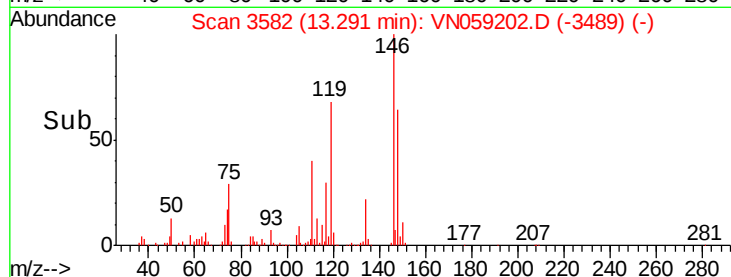
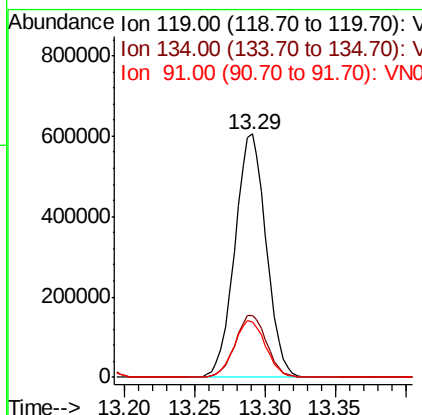
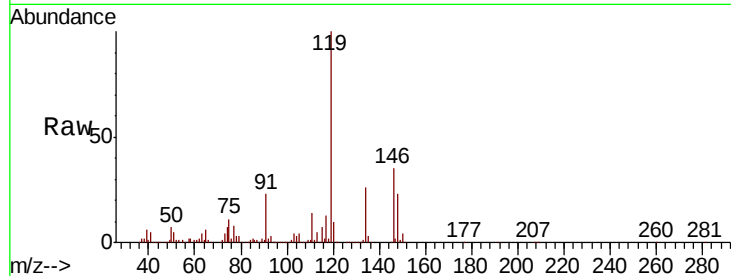




#86
 p-Isopropyltoluene
 Concen: 51.259 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN059202.D
 Acq: 12 Nov 2019 19:32

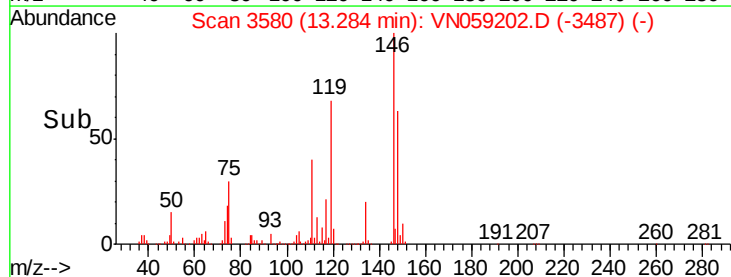
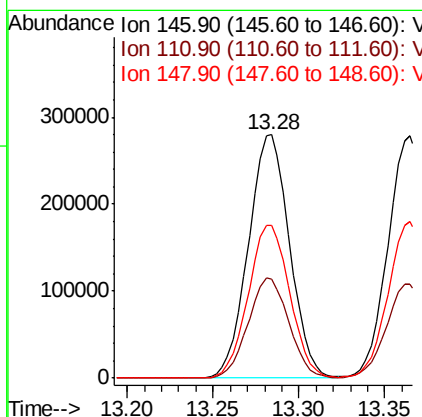
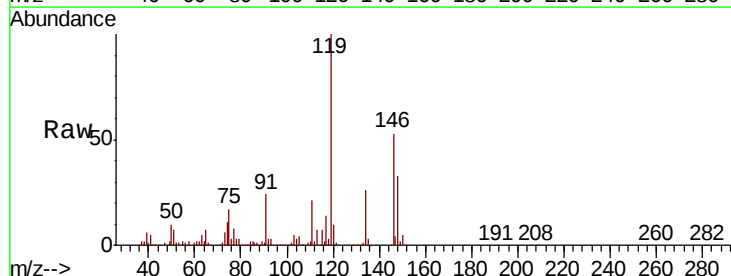
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-305-SRI4MSD

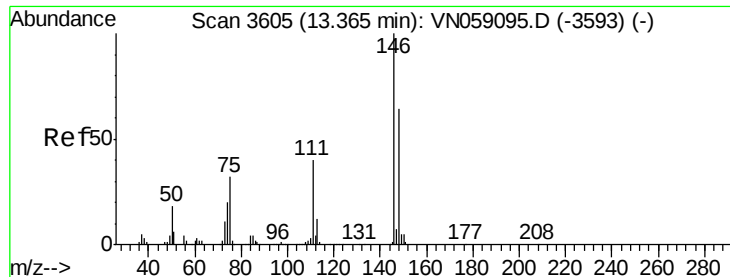
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.0	38.9
91	23.4	11.7	35.1



#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

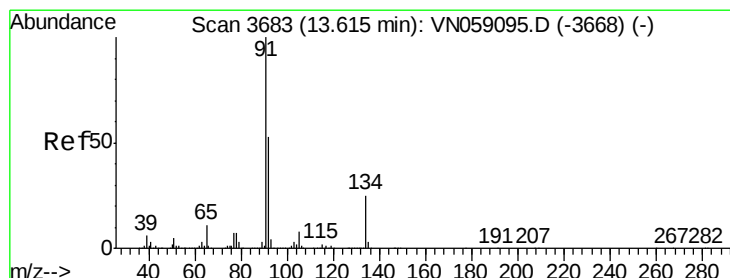
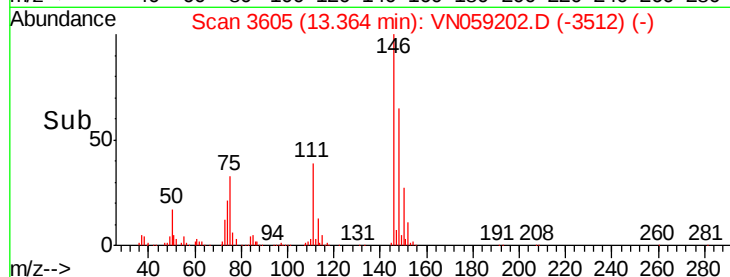
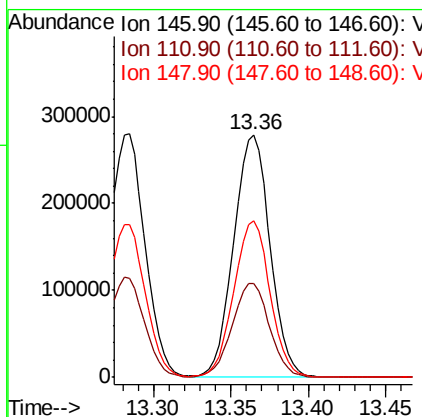
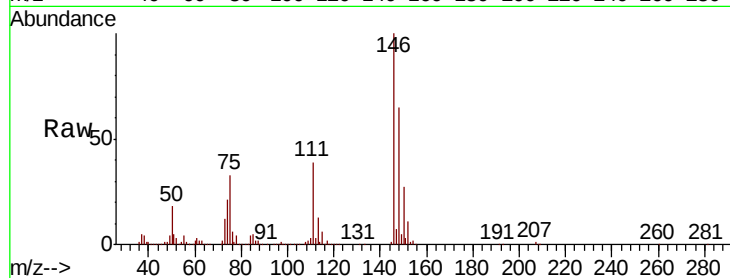




#88
 1,4-Dichlorobenzene
 Concen: 48.613 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN059202.D
 Acq: 12 Nov 2019 19:32

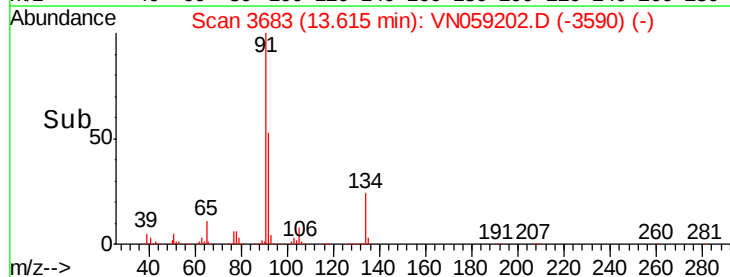
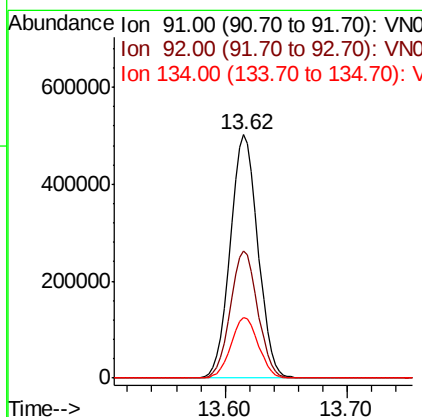
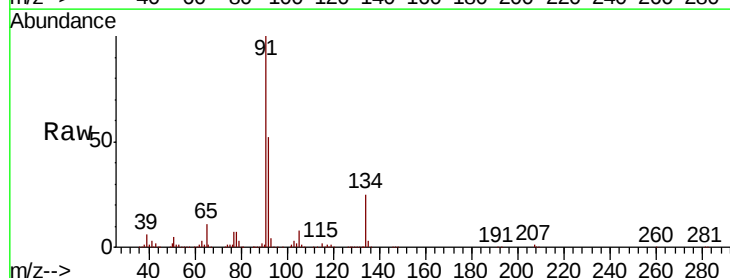
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-305-SRI4MSD

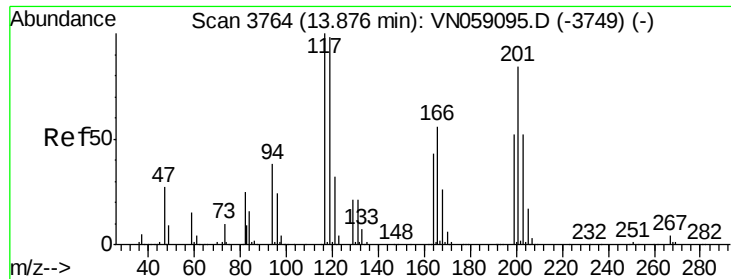
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.3	60.9
148	64.1	31.9	95.7



#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

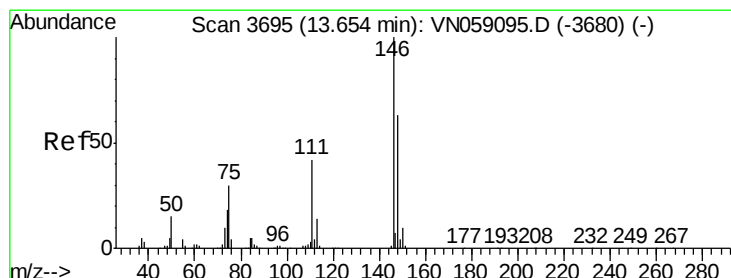
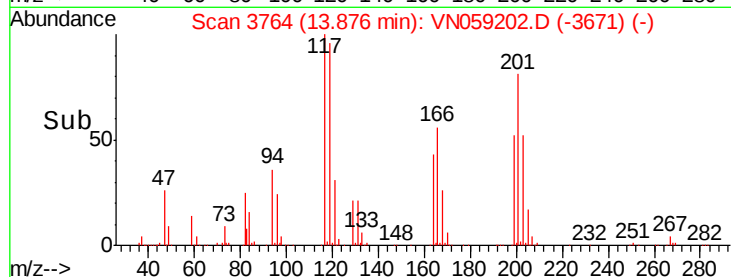
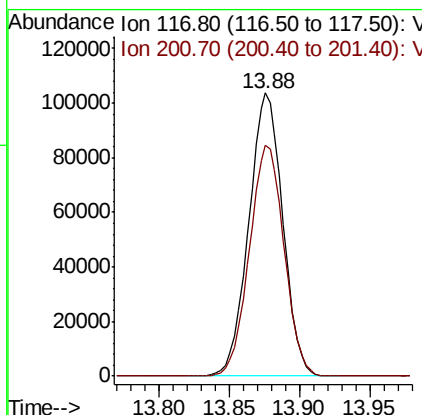
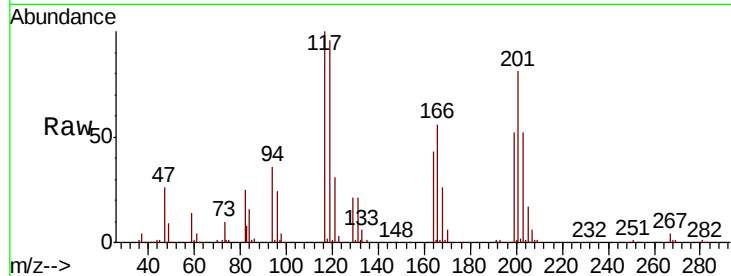




#90
Hexachloroethane
Concen: 47.731 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059202.D
Acq: 12 Nov 2019 19:32

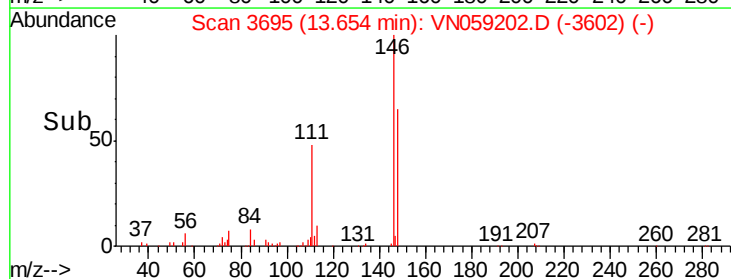
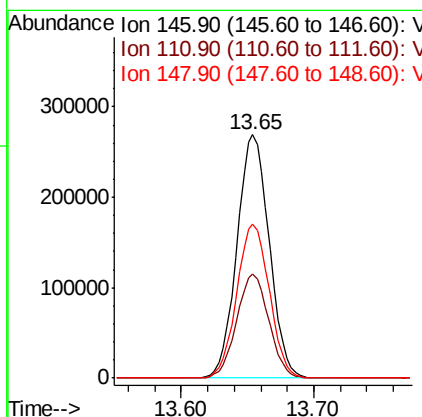
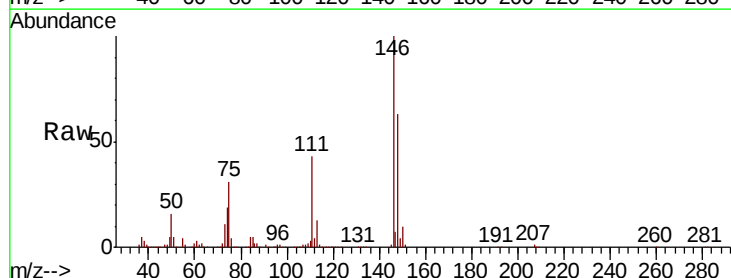
Instrument :
MSVOA_N
ClientSampleId :
MW-305-SRI4MSD

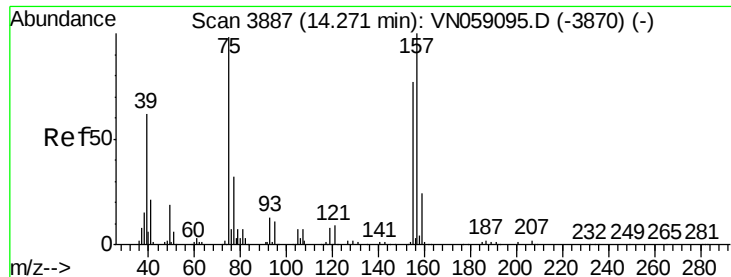
Tot Ion:117 Resp: 174847
Ion Ratio Lower Upper
117 100
201 83.2 41.8 125.3



#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:146 Resp: 454127
Ion Ratio Lower Upper
146 100
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 :

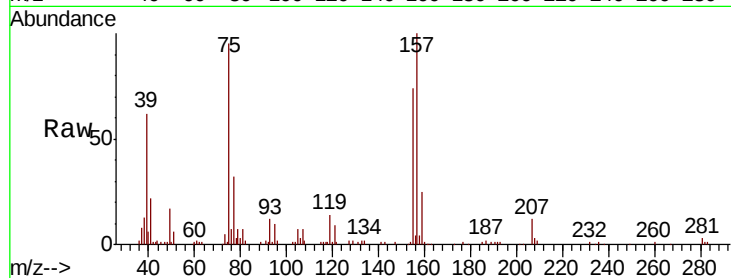
MSVOA_N

ClientSampleId :

MW-305-SRI4MSD

Tot Ion: 75 Resp: 71507

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

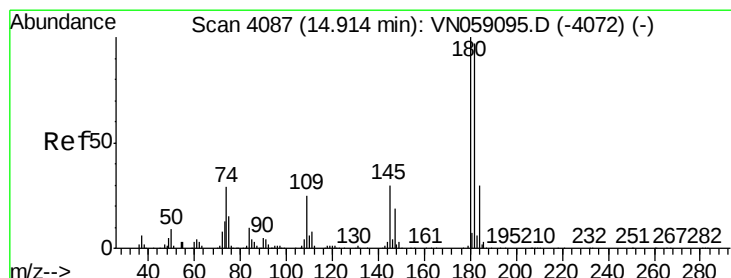
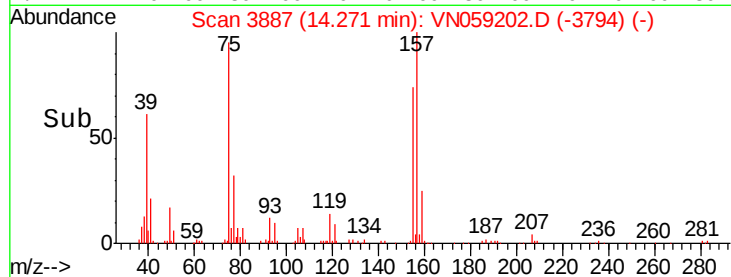


Abundance

Ion 74.90 (74.60 to 75.60): VN059202.D (-3794) (-)

Ion 154.80 (154.50 to 155.50): VN059202.D (-3794) (-)

Ion 156.80 (156.50 to 157.50): VN059202.D (-3794) (-)



#93

1,2,4-Trichlorobenzene

Concen: 44.986 ug/l

RT: 14.91 min Scan# 4086

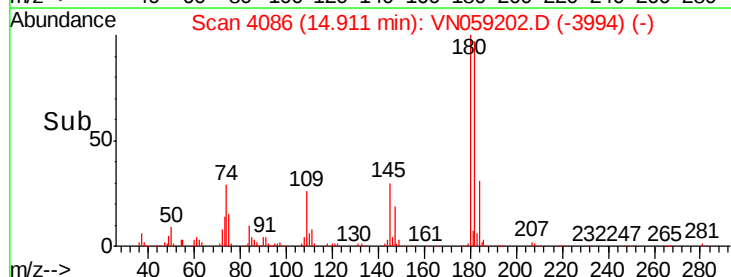
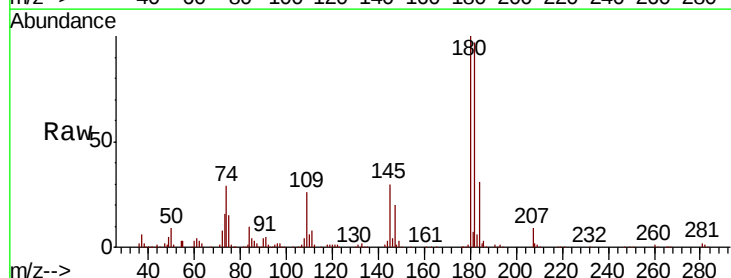
Delta R.T. -0.00 min

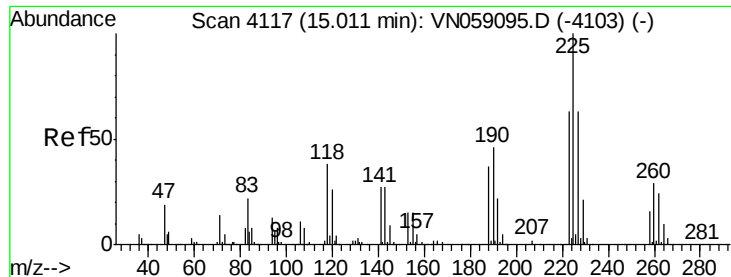
Lab File: VN059202.D

Acq: 12 Nov 2019 19:32

Tgt Ion: 180 Resp: 248962

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

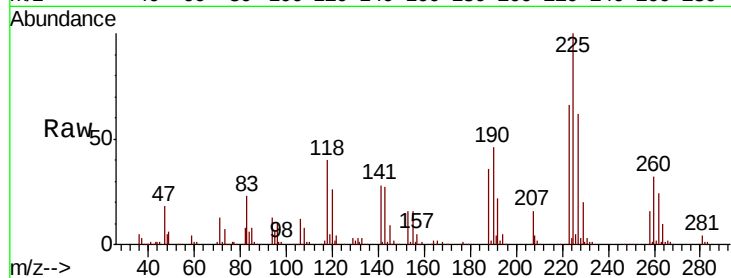
Tot Ion:225 Resp: 145061

Ion Ratio Lower Upper

225 100

223 63.8 31.3 93.9

227 63.0 31.5 94.5

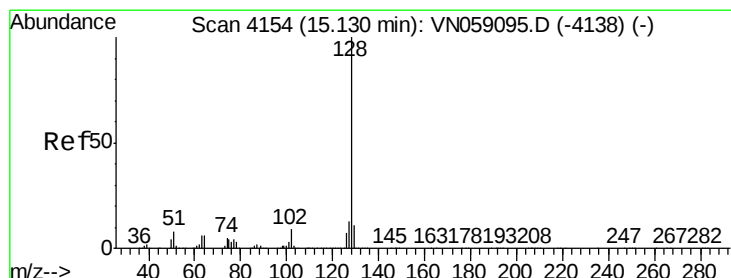
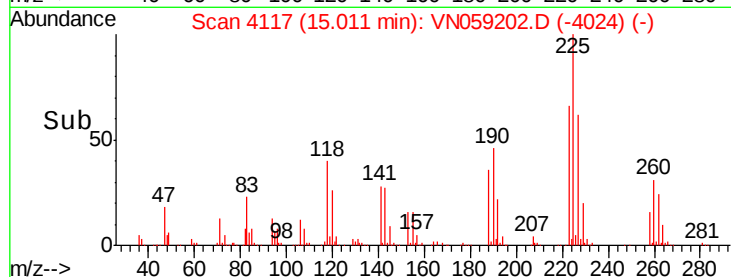
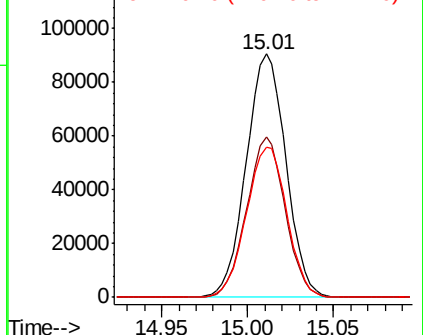


Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 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

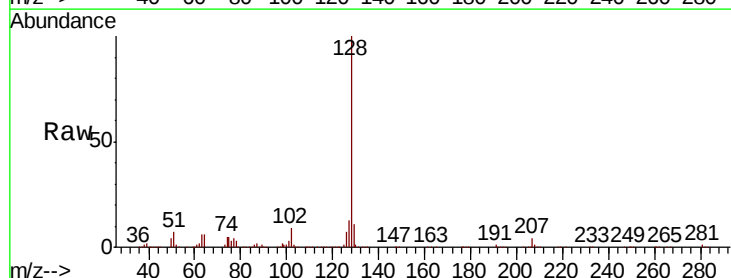
Tgt Ion:128 Resp: 692857

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

129 10.6 8.6 12.8

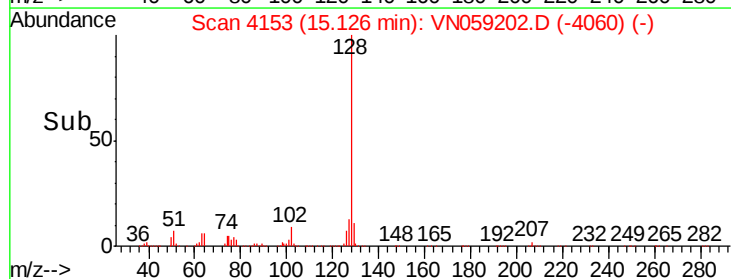
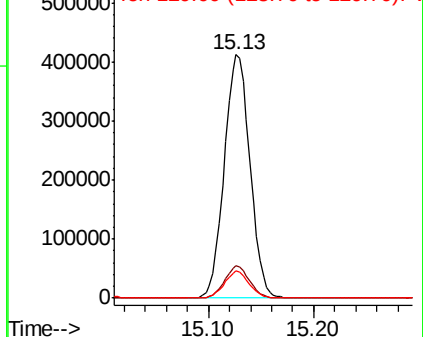


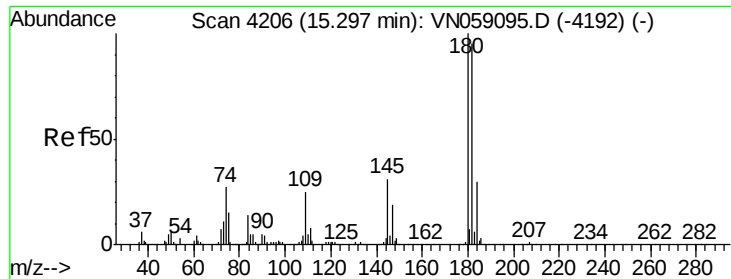
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 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

